GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	GTSTEPSEGSAPGTS	GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC
	TEPSEGSAPGTSTEPS	CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA
	EGSAPGTSTEPSEGS	GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG
	APGTSTEPSEGSAPG	CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT
	SPAGSPTSTEEGTSTE	ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC
	PSEGSAPGTSESATP	CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT
	ESGPGSEPATSGSET	CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG
	PGTSESATPESGPGS	GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	EPATSGSETPGTSES	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	ATPESGPGTSTEPSE	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSAPGTSESATPESG	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	PGSPAGSPTSTEEGSP	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC
	FPTIPLSRLFDNAML	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	RAHRLHQLAFDTYQ	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	EFEEAYIPKEQKYSF	GCAGCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTT
	LQNPQTSLCFSESIPT	GATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTT
	PSNREETQQKSNLEL	TGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGC
	LRISLLLIQSWLEPVQ	AGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTC
	FLRSVFANSLVYGAS	AGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGC
	DSNVYDLLKDLEEGI	AAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATT
	QTLMGRLEDGSPRT	CAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGC
	GQIFKQTYSKFDTNS	CAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGAT
	HNDDALLKNYGLLY	CTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTC
	CFRKDMDKVETFLRI	GTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAG
	VQCRSVEGSCGFGG	ACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCT
	SEPATSGSETPGTSES	TCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGG
	ATPESGPGSEPATSG	ACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTT
	SETPGSPAGSPTSTEE	GAGGGCAGCTGTGGTTTCTAAGGTGGTAGCGAACCGGCAACTT
	GTSTEPSEGSAPGSE	CCGGCTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCCTGAG
	PATSGSETPGSEPAT	TCTGGCCCAGGTAGCGAACCTGCTACCTCTGGCTCTGAAACCCC
	SGSETPGSEPATSGS	AGGTAGCCCGGCAGGCTCTCCGACTTCCACCGAGGAAGGTACC
	ETPGTSTEPSEGSAP	TCTACTGAACCTTCTGAGGGTAGCGCTCCAGGTAGCGAACCGG
	GTSESATPESGPGSE	CAACCTCTGGCTCTGAAACCCCAGGTAGCGAACCTGCTACCTCC
	PATSGSETPGTSTEPS	GGCTCTGAAACTCCAGGTAGCGAACCGGCTACTTCCGGTTCTGA
	EGSAP	AACTCCAGGTACCTCTACCGAACCTTCCGAAGGCAGCGCACCA
		GGTACTTCTGAAAGCGCAACCCCTGAATCCGGTCCAGGTAGCG
		AACCGGCTACTTCTGGCTCTGAGACTCCAGGTACTTCTACCGAA
		CCGTCCGAAGGTAGCGCACCA
AD836-hGH-AE144	GSSESGSSEGGPGSS	GGTTCCTCTGAAAGCGGTTCTTCCGAAGGTGGTCCAGGTTCCTC
	ESGSSEGGPGESPGG	TGAAAGCGGTTCTTCTGAGGGTGGTCCAGGTGAATCTCCGGGT
	SSGSESGSGGEPSES	GGCTCCAGCGGTTCCGAGTCAGGTTCTGGTGGCGAACCTTCCGA
	GSSGESPGGSSGSES	GTCTGGTAGCTCAGGTGAATCTCCGGGTGGTTCTAGCGGTTCCG
	GESPGGSSGSESGSS	AGTCAGGTGAATCTCCGGGTGGTTCCAGCGGTTCTGAGTCAGGT
	ESGSSEGGPGSSESG	TCCTCCGAAAGCGGTTCTTCTGAGGGCGGTCCAGGTTCCTCCGA
	SSEGGPGSSESGSSE	AAGCGGTTCTTCCGAGGGCGGTCCAGGTTCTTCTGAAAGCGGTT
	GGPGESPGGSSGSES	CTTCCGAGGGCGGTCCAGGTGAATCTCCTGGTGGTTCCAGCGGT
	GESPGGSSGSESGES	TCCGAGTCAGGTGAATCTCCAGGTGGCTCTAGCGGTTCCGAGTC
	PGGSSGSESGSSESG	AGGTGAATCTCCTGGTGGTTCTAGCGGTTCTGAATCAGGTTCCT
	SSEGGPGSSESGSSE	CCGAAAGCGGTTCTTCTGAGGGCGGTCCAGGTTCCTCCGAAAG
	GGPGSSESGSSEGGP	CGGTTCTTCCGAGGGCGGTCCAGGTTCTTCTGAAAGCGGTTCTT
	GSSESGSSEGGPGSS	CCGAGGGCGGTCCAGGTTCCTCTGAAAGCGGTTCTTCTGAGGG
	ESGSSEGGPGSSESG	CGGTCCAGGTTCTTCCGAAAGCGGTTCTTCCGAGGGCGGTCCAG
	SSEGGPGSGGEPSES	GTTCTTCCGAAAGCGGTTCTTCTGAAGGCGGTCCAGGTTCTGGT
	GSSGESPGGSSGSES	GGCGAACCGTCCGAGTCTGGTAGCTCAGGTGAATCTCCGGGTG
	GESPGGSSGSESGSG	GCTCTAGCGGTTCCGAGTCAGGTGAATCTCCTGGTGGTTCCAGC
	GEPSESGSSGSEGSS	GGTTCCGAGTCAGGTTCCGGTGGCGAACCGTCCGAATCTGGTA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	GPGESSGSSESGSSE	GCTCAGGTAGCGAAGGTTCTTCTGGTCCAGGCGAATCTTCAGGT
	GGPGSGGEPSESGSS	TCCTCTGAAAGCGGTTCTTCTGAGGGCGGTCCAGGTTCCGGTGG
	GSEGSSGPGESSGSS	CGAACCGTCCGAATCTGGTAGCTCAGGTAGCGAAGGTTCTTCTG
	ESGSSEGGPGSGGEP	GTCCAGGCGAATCTTCAGGTTCCTCTGAAAGCGGTTCTTCTGAG
	SESGSSGESPGGSSG	GGCGGTCCAGGTTCCGGTGGCGAACCTTCCGAATCTGGTAGCTC
	SESGSGGEPSESGSS	AGGTGAATCTCCGGGTGGTTCTAGCGGTTCTGAGTCAGGTTCTG
	GSGGEPSESGSSGSS	GTGGTGAACCTTCCGAGTCTGGTAGCTCAGGTTCTGGTGGCGAA
	ESGSSEGGPGSGGEP	CCATCCGAGTCTGGTAGCTCAGGTTCTTCCGAAAGCGGTTCTTC
	SESGSSGSGGEPSES	CGAAGGCGGTCCAGGTTCTGGTGGTGAACCGTCCGAATCTGGT
	GSSGSEGSSGPGESS	AGCTCAGGTTCTGGTGGCGAACCATCCGAATCTGGTAGCTCAG
	GESPGGSSGSESGSE	GTAGCGAAGGTTCTTCTGGTCCTGGCGAATCTTCAGGTGAATCT
	GSSGPGESSGSEGSS	CCAGGTGGCTCTAGCGGTTCCGAATCAGGTAGCGAAGGTTCTTC
	GPGESSGSGGEPSES	CGGTCCAGGTGAATCTTCAGGTAGCGAAGGTTCTTCTGGTCCTG
	GSSGSSESGSSEGGP	GTGAATCCTCAGGTTCCGGTGGCGAACCATCTGAATCTGGTAGC
	GSSESGSSEGGPGES	TCAGGTTCCTCTGAAAGCGGTTCTTCCGAAGGTGGTCCAGGTTC
	PGGSSGSESGSGGEP	CTCTGAAAGCGGTTCTTCTGAGGGTGGTCCAGGTGAATCTCCGG
	SESGSSGSEGSSGPG	GTGGCTCCAGCGGTTCCGAGTCAGGTTCTGGTGGCGAACCATCC
	ESSGESPGGSSGSES	GAATCTGGTAGCTCAGGTAGCGAAGGTTCTTCTGGTCCTGGCGA
	GSEGSSGPGSSESGS	ATCTTCAGGTGAATCTCCAGGTGGCTCTAGCGGTTCCGAATCAG
	SEGGPGSGGEPSESG	GTAGCGAAGGTTCTTCCGGTCCaGGTTCCTCTGAAAGCGGTTCT
	SSGSEGSSGPGESSG	TCTGAGGGCGGTCCAGGTTCTGGTGGCGAACCATCTGAATCTG
	SEGSSGPGESSGSEG	GTAGCTCAGGTAGCGAAGGTTCTTCCGGTCCGGGTGAATCTTCA
	SSGPGESSGSGGEPS	GGTAGCGAAGGTTCTTCCGGTCCAGGTGAATCTTCAGGTAGCG
	ESGSSGSGGEPSESG	AAGGTTCTTCTGGTCCTGGTGAATCCTCAGGTTCCGGTGGCGAA
	SSGESPGGSSGSESG	CCATCTGAATCTGGTAGCTCAGGTTCTGGTGGCGAACCATCCGA
	ESPGGSSGSESGSGG	ATCTGGTAGCTCAGGTGAATCTCCGGGTGGCTCCAGCGGTTCTG
	EPSESGSSGSEGSSGP	AATCAGGTGAATCTCCTGGTGGCTCCAGCGGTTCTGAGTCAGGT
	GESSGESPGGSSGSE	TCTGGTGGCGAACCATCCGAATCTGGTAGCTCAGGTAGCGAAG
	SGSSESGSSEGGPGS	GTTCTTCTGGTCCTGGCGAATCTTCAGGTGAATCTCCAGGTGGC
	SESGSSEGGPGSSES	TCTAGCGGTTCCGAATCAGGTTCCTCTGAAAGCGGTTCTTCTGA
	GSSEGGPGSGGEPSE	GGGCGGTCCAGGTTCTTCCGAAAGCGGTTCTTCCGAGGGCGGT
	SGSSGSSESGSSEGG	CCAGGTTCTTCCGAAAGCGGTTCTTCTGAAGGCGGTCCAGGTTC
	PGESPGGSSGSESGS	TGGTGGCGAACCGTCCGAATCTGGTAGCTCAGGTTCCTCCGAA
	GGEPSESGSSGSSES	AGCGGTTCTTCTGAAGGTGGTCCAGGTGAATCTCCAGGTGGTTC
	GSSEGGPGESPGGSS	TAGCGGTTCTGAATCAGGTTCTGGTGGCGAACCGTCCGAATCTG
	GSESGSGGEPSESGS	GTAGCTCAGGTTCCTCCGAAAGCGGTTCTTCTGAAGGTGGTCCA
	SGESPGGSSGSESGS	GGTGAATCTCCAGGTGGTTCTAGCGGTTCTGAATCAGGTTCTGG
	GGEPSESGSSGFPTIP	TGGCGAACCGTCCGAATCTGGTAGCTCAGGTGAATCTCCTGGTG
	LSRLFDNAMLRAHR	GTTCCAGCGGTTCCGAGTCAGGTTCTGGTGGCGAACCTTCCGAA
	LHQLAFDTYQEFEE	TCTGGTAGCTCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTT
	AYIPKEQKYSFLQNP	GATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTT
	QTSLCFSESIPTPSNR	TGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGC
	EETQQKSNLELLRIS	AGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTC
	LLLIQSWLEPVQFLR	AGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGC
	SVFANSLVYGASDS	AAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATT
	NVYDLLKDLEEGIQT	CAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGC
	LMGRLEDGSPRTGQI	CAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGAT
	FKQTYSKFDTNSHN	CTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTC
	DDALLKNYGLLYCF	GTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAG
	RKDMDKVETFLRIV	ACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCT
	QCRSVEGSCGFGGSE	TCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGG
	PATSGSETPGTSESA	ACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTT
	TPESGPGSEPATSGS	GAGGGCAGCTGTGGTTTCTAAGGTGGTAGCGAACCGGCAACTT
	ETPGSPAGSPTSTEE	CCGGCTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCCTGAG
	GTSTEPSEGSAPGSE	TCTGGCCCAGGTAGCGAACCTGCTACCTCTGGCTCTGAAACCCC
	PATSGSETPGSEPAT	AGGTAGCCCGGCAGGCTCTCCGACTTCCACCGAGGAAGGTACC
	SGSETPGSEPATSGS	TCTACTGAACCTTCTGAGGGTAGCGCTCCAGGTAGCGAACCGG
	ETPGTSTEPSEGSAP	CAACCTCTGGCTCTGAAACCCCAGGTAGCGAACCTGCTACCTCC
	GTSESATPESGPGSE	GGCTCTGAAACTCCAGGTAGCGAACCGGCTACTTCCGGTTCTGA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	PATSGSETPGTSTEPS EGSAP	AACTCCAGGTACCTCTACCGAACCTTCCGAAGGCAGCGCACCA GGTACTTCTGAAAGCGCAACCCCTGAATCCGGTCCAGGTAGCG AACCGGCTACTTCTGGCTCTGAGACTCCAGGTACTTCTACCGAA CCGTCCGAAGGTAGCGCACCA
AE864-hGH-AE144	GSPAGSPTSTEEGTS	GGTAGCCCGGCTGGCTCTCCTACCTCTACTGAGGAAGGTACTTC
	ESATPESGPGTSTEPS	TGAAAGCGCTACTCCTGAGTCTGGTCCAGGTACCTCTACTGAAC
	EGSAPGSPAGSPTST	CGTCCGAAGGTAGCGCTCCAGGTAGCCCAGCAGGCTCTCCGAC
	EEGTSTEPSEGSAPG	TTCCACTGAGGAAGGTACTTCTACTGAACCTTCCGAAGGCAGC
	TSTEPSEGSAPGTSES	GCACCAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCTCCAG
	ATPESGPGSEPATSG	GTACTTCTGAAAGCGCTACCCCGGAATCTGGCCCAGGTAGCGA
	SETPGSEPATSGSETP	ACCGGCTACTTCTGGTTCTGAAACCCCAGGTAGCGAACCGGCT
	GSPAGSPTSTEEGTS	ACCTCCGGTTCTGAAACTCCAGGTAGCCCGGCAGGCTCTCCGAC
	ESATPESGPGTSTEPS	CTCTACTGAGGAAGGTACTTCTGAAAGCGCAACCCCGGAGTCC
	EGSAPGTSTEPSEGS	GGCCCAGGTACCTCTACCGAACCGTCTGAGGGCAGCGCACCAG
	APGSPAGSPTSTEEG	GTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTAGCCC
	TSTEPSEGSAPGTSTE	AGCAGGTTCTCCTACCTCCACCGAGGAAGGTACTTCTACCGAAC
	PSEGSAPGTSESATP	CGTCCGAGGGTAGCGCACCAGGTACCTCTACTGAACCTTCTGA
	ESGPGTSTEPSEGSA	GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAGTCC
	PGTSESATPESGPGS	GGTCCAGGTACTTCTACTGAACCGTCCGAAGGTAGCGCACCAG
	EPATSGSETPGTSTEP	GTACTTCTGAAAGCGCAACCCCTGAATCCGGTCCAGGTAGCGA
	SEGSAPGTSTEPSEG	ACCGGCTACTTCTGGCTCTGAGACTCCAGGTACTTCTACCGAAC
	SAPGTSESATPESGP	CGTCCGAAGGTAGCGCACCAGGTACTTCTACTGAACCGTCTGA
	GTSESATPESGPGSP	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCGGAATCC
	AGSPTSTEEGTSESA	GGCCCAGGTACCTCTGAAAGCGCAACCCCGGAGTCCGGCCCAG
	TPESGPGSEPATSGS	GTAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTACCTCT
	ETPGTSESATPESGP	GAAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCGGCAA
	GTSTEPSEGSAPGTS	CCTCCGGTTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCG
	TEPSEGSAPGTSTEPS	GAGTCTGGCCCAGGTACCTCTACTGAACCGTCTGAGGGTAGCG
	EGSAPGTSTEPSEGS	CTCCAGGTACTTCTACTGAACCGTCCGAAGGTAGCGCACCAGG
	APGTSTEPSEGSAPG	TACTTCTACCGAACCGTCCGAAGGCAGCGCTCCAGGTACCTCTA
	TSTEPSEGSAPGSPA	CTGAACCTTCCGAGGGCAGCGCTCCAGGTACCTCTACCGAACCT
	GSPTSTEEGTSTEPSE	TCTGAAGGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAGG
	GSAPGTSESATPESG	GTAGCGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGA
	PGSEPATSGSETPGT	GGAAGGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGT
	SESATPESGPGSEPA	ACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTAGCGAAC
	TSGSETPGTSESATPE	CTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAAAGCGCA
	SGPGTSTEPSEGSAP	ACCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCTCTGGCT
	GTSESATPESGPGSP	CTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGC
	AGSPTSTEEGSPAGS	CCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCAGGTA
	PTSTEEGSPAGSPTST	CTTCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCT
	EEGTSESATPESGPG	GGCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCC
	TSTEPSEGSAPGTSES	AACTTCTACTGAAGAAGGTAGCCCGGCAGGCTCTCCGACCTCT
	ATPESGPGSEPATSG	ACTGAGGAAGGTACTTCTGAAAGCGCAACCCCGGAGTCCGGCC
	SETPGTSESATPESGP	CAGGTACCTCTACCGAACCGTCTGAGGGCAGCGCACCAGGTAC
	GSEPATSGSETPGTS	CTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTAGCGAACCT
	ESATPESGPGTSTEPS	GCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAAAGCGCAA
	EGSAPGSPAGSPTST	CCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCTCTGGCTCT
	EEGTSESATPESGPG	GAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCC
	SEPATSGSETPGTSES	CAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCAGGTAG
	ATPESGPGSPAGSPT	CCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTACCTCTGAAA
	STEEGSPAGSPTSTEE	GCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCGGCAACCTC
	GTSTEPSEGSAPGTS	CGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCCTGAGT
	ESATPESGPGTSESA	CCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGA
	TPESGPGTSESATPES	AGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTACTT
	GPGSEPATSGSETPG	CTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTGAAAG
	SEPATSGSETPGSPA	CGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCTACTC
	GSPTSTEEGTSTEPSE	CTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT
	GSAPGTSTEPSEGSA	GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG
	PGSEPATSGSETPGT	GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	SESATPESGPGTSTEP	AGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAAC
	SEGSAPGFPTIPLSRL	CTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGAG
	FDNAMLRAHRLHQL	GGCAGCGCTCCAGGTAGCGAACCTGCAACCTCTGGCTCTGAAA
	AFDTYQEFEEAYIPK	CCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGT
	EQKYSFLQNPQTSLC	ACTTCTACTGAACCGTCCGAGGGCAGCGCACCAGGTTTTCCGAC
	FSESIPTPSNREETQQ	TATTCCGCTGTCTCGTCTGTTTGATAATGCTATGCTGCGTGCGC
	KSNLELLRISLLLIQS	ACCGTCTGCACCAGCTGGCCTTTGATACTTACCAGGAATTTGAA
	WLEPVQFLRSVFAN	GAAGCcTACATTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAA
	SLVYGASDSNVYDL	CCCACAGACTTCTCTCTGCTTCAGCGAATCTATTCCGACGCCTT
	LKDLEEGIQTLMGRL	CCAATCGCGAGGAAACTCAGCAAAAGTCCAATCTGGAACTACT
	EDGSPRTGQIFKQTY	CCGCATTTCTCTGCTTCTGATTCAGAGCTGGCTAGAACCAGTGC
	SKFDTNSHNDDALL	AATTTCTGCGTTCCGTCTTCGCCAATAGCCTAGTTTATGGCGCA
	KNYGLLYCFRKDMD	TCCGACAGCAACGTATACGATCTCCTGAAAGATCTCGAGGAAG
	KVETFLRIVQCRSVE	GCATTCAGACCCTGATGGGTCGTCTCGAGGATGGCTCTCCGCGT
	GSCGFGGSEPATSGS	ACTGGTCAGATCTTCAAGCAGACTTACTCTAAATTTGATACTAA
	ETPGTSESATPESGP	CAGCCACAATGACGATGCGCTTCTAAAAAACTATGGTCTGCTGT
	GSEPATSGSETPGSP	ATTGTTTTCGTAAAGATATGGACAAAGTTGAAACCTTCCTGCGT
	AGSPTSTEEGTSTEPS	ATTGTTCAGTGTCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGG
	EGSAPGSEPATSGSE	TGGTAGCGAACCGGCAACTTCCGGCTCTGAAACCCCAGGTACT
	TPGSEPATSGSETPG	TCTGAAAGCGCTACTCCTGAGTCTGGCCCAGGTAGCGAACCTG
	SEPATSGSETPGTSTE	CTACCTCTGGCTCTGAAACCCCAGGTAGCCCGGCAGGCTCTCCG
	PSEGSAPGTSESATP	ACTTCCACCGAGGAAGGTACCTCTACTGAACCTTCTGAGGGTA
	ESGPGSEPATSGSET	GCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACCCC
	PGTSTEPSEGSAP	AGGTAGCGAACCTGCTACCTCCGGCTCTGAAACTCCAGGTAGC
		GAACCGGCTACTTCCGGTTCTGAAACTCCAGGTACCTCTACCGA
		ACCTTCCGAAGGCAGCGCACCAGGTACTTCTGAAAGCGCAACC
		CCTGAATCCGGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGA
		GACTCCAGGTACTTCTACCGAACCGTCCGAAGGTAGCGCACCA
AF864-hGH-AE144	GSTSESPSGTAPGTSP	GGTTCTACCAGCGAATCTCCTTCTGGCACCGCTCCAGGTACCTC
	SGESSTAPGSTSESPS	TCCTAGCGGCGAATCTTCTACCGCTCCAGGTTCTACTAGCGAAT
	GTAPGSTSESPSGTA	CTCCTTCTGGCACTGCACCAGGTTCTACTAGCGAATCCCCGTCT
	PGTSTPESGSASPGTS	GGTACTGCTCCAGGTACTTCTACTCCTGAAAGCGGTTCCGCTTC
	TPESGSASPGSTSESP	TCCAGGTACCTCTACTCCGGAAAGCGGTTCTGCATCTCCAGGTT
	SGTAPGSTSESPSGT	CTACCAGCGAATCTCCTTCTGGCACCGCTCCAGGTTCTACTAGC
	APGTSPSGESSTAPG	GAATCCCCGTCTGGTACCGCACCAGGTACTTCTCCTAGCGGCGA
	STSESPSGTAPGTSPS	ATCTTCTACCGCACCAGGTTCTACTAGCGAATCTCCGTCTGGCA
	GESSTAPGTSPSGESS	CTGCTCCAGGTACTTCTCCTAGCGGTGAATCTTCTACCGCTCCA
	TAPGSTSSTAESPGP	GGTACTTCCCCTAGCGGCGAATCTTCTACCGCTCCAGGTTCTAC
	GTSPSGESSTAPGTSP	TAGCTCTACTGCAGAATCTCCGGGCCCAGGTACCTCTCCTAGCG
	SGESSTAPGSTSSTA	GTGAATCTTCTACCGCTCCAGGTACTTCTCCGAGCGGTGAATCT
	ESPGPGTSTPESGSAS	TCTACCGCTCCAGGTTCTACTAGCTCTACTGCAGAATCTCCTGG
	PGTSTPESGSASPGST	CCCAGGTACCTCTACTCCGGAAAGCGGCTCTGCATCTCCAGGTA
	SESPSGTAPGSTSESP	CTTCTACCCCTGAAAGCGGTTCTGCATCTCCAGGTTCTACTAGC
	SGTAPGTSTPESGSA	GAATCTCCTTCTGGCACTGCACCAGGTTCTACCAGCGAATCTCC
	SPGSTSSTAESPGPGT	GTCTGGCACTGCACCAGGTACCTCTACCCCTGAAAGCGGTTCCG
	STPESGSASPGSTSES	CTTCTCCAGGTTCTACCAGCTCTACCGCAGAATCTCCTGGTCCA
	PSGTAPGTSPSGESST	GGTACCTCTACTCCGGAAAGCGGCTCTGCATCTCCAGGTTCTAC
	APGSTSSTAESPGPG	TAGCGAATCTCCTTCTGGCACTGCACCAGGTACTTCTCCGAGCG
	TSPSGESSTAPGTSTP	GTGAATCTTCTACCGCACCAGGTTCTACTAGCTCTACCGCTGAA
	ESGSASPGSTSSTAES	TCTCCGGGCCCAGGTACTTCTCCGAGCGGTGAATCTTCTACTGC
	PGPGSTSSTAESPGP	TCCAGGTACCTCTACTCCTGAAAGCGGTTCTGCATCTCCAGGTT
	GSTSSTAESPGPGSTS	CCACTAGCTCTACCGCAGAATCTCCGGGCCCAGGTTCTACTAGC
	STAESPGPGTSPSGES	TCTACTGCTGAATCTCCTGGCCCAGGTTCTACTAGCTCTACTGC
	STAPGSTSESPSGTAP	TGAATCTCCGGGTCCAGGTTCTACCAGCTCTACTGCTGAATCTC
	GSTSESPSGTAPGTS	CTGGTCCAGGTACCTCCCCGAGCGGTGAATCTTCTACTGCACCA
	TPESGPXXXGASASG	GGTTCTACTAGCGAATCTCCTTCTGGCACTGCACCAGGTTCTAC
	APSTXXXXSESPSGT	CAGCGAATCTCCGTCTGGCACTGCACCAGGTACCTCTACCCCTG
	APGSTSESPSGTAPG	AAAGCGGTCCXXXXXXXXXXXXTGCAAGCGCAAGCGGCGCGC
	STSESPSGTAPGSTSE	CAAGCACGGGAXXXXXXXXTAGCGAATCTCCTTCTGGTACCGC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	SPSGTAPGSTSESPSG	TCCAGGTTCTACCAGCGAATCCCCGTCTGGTACTGCTCCAGGTT
	TAPGSTSESPSGTAP	CTACCAGCGAATCTCCTTCTGGTACTGCACCAGGTTCTACTAGC
	GTSTPESGSASPGTSP	GAATCTCCTTCTGGTACCGCTCCAGGTTCTACCAGCGAATCCCC
	SGESSTAPGTSPSGES	GTCTGGTACTGCTCCAGGTTCTACCAGCGAATCTCCTTCTGGTA
	STAPGSTSSTAESPGP	CTGCACCAGGTACTTCTACTCCGGAAAGCGGTTCCGCATCTCCA
	GTSPSGESSTAPGTS	GGTACTTCTCCTAGCGGTGAATCTTCTACTGCTCCAGGTACCTC
	TPESGSASPGSTSESP	TCCTAGCGGCGAATCTTCTACTGCTCCAGGTTCTACCAGCTCTA
	SGTAPGSTSESPSGT	CTGCTGAATCTCCGGGTCCAGGTACTTCCCCGAGCGGTGAATCT
	APGTSPSGESSTAPG	TCTACTGCACCAGGTACTTCTACTCCGGAAAGCGGTTCCGCTTC
	STSESPSGTAPGTSTP	TCCAGGTTCTACCAGCGAATCTCCTTCTGGCACCGCTCCAGGTT
	ESGSASPGTSTPESGS	CTACTAGCGAATCCCCGTCTGGTACCGCACCAGGTACTTCTCCT
	ASPGSTSESPSGTAP	AGCGGCGAATCTTCTACCGCACCAGGTTCTACTAGCGAATCCCC
	GTSTPESGSASPGSTS	GTCTGGTACCGCACCAGGTACTTCTACCCCGGAAAGCGGCTCTG
	STAESPGPGSTSESPS	CTTCTCCAGGTACTTCTACCCCGGAAAGCGGCTCCGCATCTCCA
	GTAPGSTSESPSGTA	GGTTCTACTAGCGAATCTCCTTCTGGTACCGCTCCAGGTACTTC
	PGTSPSGESSTAPGST	TACCCCTGAAAGCGGCTCCGCTTCTCCAGGTTCCACTAGCTCTA
	SSTAESPGPGTSPSGE	CCGCTGAATCTCCGGGTCCAGGTTCTACCAGCGAATCTCCTTCT
	SSTAPGTSTPESGSAS	GGCACCGCTCCAGGTTCTACTAGCGAATCCCCGTCTGGTACCGC
	PGTSPSGESSTAPGTS	ACCAGGTACTTCTCCTAGCGGCGAATCTTCTACCGCACCAGGTT
	PSGESSTAPGTSPSGE	CTACCAGCTCTACTGCTGAATCTCCGGGTCCAGGTACTTCCCCG
	SSTAPGSTSSTAESPG	AGCGGTGAATCTTCTACTGCACCAGGTACTTCTACTCCGGAAAG
	PGSTSSTAESPGPGTS	CGGTTCCGCTTCTCCAGGTACCTCCCCTAGCGGCGAATCTTCTA
	PSGESSTAPGSSPSAS	CTGCTCCAGGTACCTCTCCTAGCGGCGAATCTTCTACCGCTCCA
	TGTGPGSSTPSGATG	GGTACCTCCCCTAGCGGTGAATCTTCTACCGCACCAGGTTCTAC
	SPGSSTPSGATGSPG	TAGCTCTACTGCTGAATCTCCGGGTCCAGGTTCTACCAGCTCTA
	FPTIPLSRLFDNAML	CTGCTGAATCTCCTGGTCCAGGTACCTCCCCGAGCGGTGAATCT
	RAHRLHQLAFDTYQ	TCTACTGCACCAGGTTCTAGCCCTTCTGCTTCCACCGGTACCGG
	EFEEAYIPKEQKYSF	CCCAGGTAGCTCTACTCCGTCTGGTGCAACTGGCTCTCCAGGTA
	LQNPQTSLCFSESIPT	GCTCTACTCCGTCTGGTGCAACCGGCTCCCCAGGTTTTCCGACT
	PSNREETQQKSNLEL	ATTCCGCTGTCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCA
	LRISLLLIQSWLEPVQ	CCGTCTGCACCAGCTGGCCTTTGATACTTACCAGGAATTTGAAG
	FLRSVFANSLVYGAS	AAGCcTACATTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAAC
	DSNVYDLLKDLEEGI	CCACAGACTTCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTC
	QTLMGRLEDGSPRT	CAATCGCGAGGAAACTCAGCAAAAGTCCAATCTGGAACTACTC
	GQIFKQTYSKFDTNS	CGCATTTCTCTGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCA
	HNDDALLKNYGLLY	ATTTCTGCGTTCCGTCTTCGCCAATAGCCTAGTTTATGGCGCAT
	CFRKDMDKVETFLRI	CCGACAGCAACGTATACGATCTCCTGAAAGATCTCGAGGAAGG
	VQCRSVEGSCGFGG	CATTCAGACCCTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTA
	SEPATSGSETPGTSES	CTGGTCAGATCTTCAAGCAGACTTACTCTAAATTTGATACTAAC
	ATPESGPGSEPATSG	AGCCACAATGACGATGCGCTTCTAAAAAACTATGGTCTGCTGT
	SETPGSPAGSPTSTEE	ATTGTTTTCGTAAAGATATGGACAAAGTTGAAACCTTCCTGCGT
	GTSTEPSEGSAPGSE	ATTGTTCAGTGTCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGG
	PATSGSETPGSEPAT	TGGTAGCGAACCGGCAACTTCCGGCTCTGAAACCCCAGGTACT
	SGSETPGSEPATSGS	TCTGAAAGCGCTACTCCTGAGTCTGGCCCAGGTAGCGAACCTG
	ETPGTSTEPSEGSAP	CTACCTCTGGCTCTGAAACCCCAGGTAGCCCGGCAGGCTCTCCG
	GTSESATPESGPGSE	ACTTCCACCGAGGAAGGTACCTCTACTGAACCTTCTGAGGGTA
	PATSGSETPGTSTEPS	GCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACCCC
	EGSAP	AGGTAGCGAACCTGCTACCTCCGGCTCTGAAACTCCAGGTAGC
		GAACCGGCTACTTCCGGTTCTGAAACTCCAGGTACCTCTACCGA
		ACCTTCCGAAGGCAGCGCACCAGGTACTTCTGAAAGCGCAACC
		CCTGAATCCGGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGA
		GACTCCAGGTACTTCTACCGAACCGTCCGAAGGTAGCGCACCA
AG864-hGH-AE144	GASPGTSSTGSPGSS	GGTGCTTCCCCGGGCACCAGCTCTACTGGTTCTCCAGGTTCTAG
	PSASTGTGPGSSPSA	CCCGTCTGCTTCTACTGGTACTGGTCCAGGTTCTAGCCCTTCTGC
	STGTGPGTPGSGTAS	TTCCACTGGTACTGGTCCAGGTACCCCGGGTAGCGGTACCGCTT
	SSPGSSTPSGATGSP	CTTCTTCTCCAGGTAGCTCTACTCCGTCTGGTGCTACCGGCTCTC
	GSNPSASTGTGPGAS	CAGGTTCTAACCCTTCTGCATCCACCGGTACCGGCCCAGGTGCT
	PGTSSTGSPGTPGSG	TCTCCGGGCACCAGCTCTACTGGTTCTCCAGGTACCCCGGGCAG
	TASSSPGSSTPSGAT	CGGTACCGCATCTTCTTCTCCAGGTAGCTCTACTCCTTCTGGTGC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	GSPGTPGSGTASSSP	AACTGGTTCTCCAGGTACTCCTGGCAGCGGTACCGCTTCTTCTT
	GASPGTSSTGSPGAS	CTCCAGGTGCTTCTCCTGGTACTAGCTCTACTGGTTCTCCAGGT
	PGTSSTGSPGTPGSG	GCTTCTCCGGGCACTAGCTCTACTGGTTCTCCAGGTACCCCGGG
	TASSSPGSSTPSGAT	TAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACCCCTTCTGG
	GSPGASPGTSSTGSP	TGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAGCTCTACCG
	GTPGSGTASSSPGSS	GTTCTCCAGGTACCCCGGGTAGCGGTACCGCTTCTTCTTCTCCA
	TPSGATGSPGSNPSA	GGTAGCTCTACTCCGTCTGGTGCTACCGGCTCTCCAGGTTCTAA
	STGTGPGSSPSASTG	CCCTTCTGCATCCACCGGTACCGGCCCAGGTTCTAGCCCTTCTG
	TGPGSSTPSGATGSP	CTTCCACCGGTACTGGCCCAGGTAGCTCTACCCCTTCTGGTGCT
	GSSTPSGATGSPGAS	ACCGGCTCCCCAGGTAGCTCTACTCCTTCTGGTGCAACTGGCTC
	PGTSSTGSPGASPGT	TCCAGGTGCATCTCCGGGCACTAGCTCTACTGGTTCTCCAGGTG
	SSTGSPGASPGTSST	CATCCCCTGGCACTAGCTCTACTGGTTCTCCAGGTGCTTCTCCT
	GSPGTPGSGTASSSP	GGTACCAGCTCTACTGGTTCTCCAGGTACTCCTGGCAGCGGTAC
	GASPGTSSTGSPGAS	CGCTTCTTCTTCTCCAGGTGCTTCTCCTGGTACTAGCTCTACTGG
	PGTSSTGSPGASPGT	TTCTCCAGGTGCTTCTCCGGGCACTAGCTCTACTGGTTCTCCAG
	SSTGSPGSSPSASTGT	GTGCTTCCCCGGGCACTAGCTCTACCGGTTCTCCAGGTTCTAGC
	GPGTPGSGTASSSPG	CCTTCTGCATCTACTGGTACTGGCCCAGGTACTCCGGGCAGCGG
	ASPGTSSTGSPGASP	TACTGCTTCTTCCTCTCCAGGTGCATCTCCGGGCACTAGCTCTA
	GTSSTGSPGASPGTS	CTGGTTCTCCAGGTGCATCCCCTGGCACTAGCTCTACTGGTTCT
	STGSPGSSTPSGATG	CCAGGTGCTTCTCCTGGTACCAGCTCTACTGGTTCTCCAGGTAG
	SPGSSTPSGATGSPG	CTCTACTCCGTCTGGTGCAACCGGTTCCCCAGGTAGCTCTACTC
	ASPGTSSTGSPGTPG	CTTCTGGTGCTACTGGCTCCCCAGGTGCATCCCCTGGCACCAGC
	SGTASSSPGSSTPSG	TCTACCGGTTCTCCAGGTACCCCGGGCAGCGGTACCGCATCTTC
	ATGSPGSSTPSGATG	CTCTCCAGGTAGCTCTACCCCGTCTGGTGCTACCGGTTCCCCAG
	SPGSSTPSGATGSPG	GTAGCTCTACCCCGTCTGGTGCAACCGGCTCCCCAGGTAGCTCT
	SSPSASTGTGPGASP	ACTCCGTCTGGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGC
	GTSSTGSPGASPGTS	TTCCACTGGTACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTA
	STGSPGTPGSGTASS	CTGGTTCTCCAGGTGCATCCCCGGGTACCAGCTCTACCGGTTCT
	SPGASPGTSSTGSPG	CCAGGTACTCCTGGCAGCGGTACTGCATCTTCCTCTCCAGGTGC
	ASPGTSSTGSPGASP	TTCTCCGGGCACCAGCTCTACTGGTTCTCCAGGTGCATCTCCGG
	GTSSTGSPGASPGTS	GCACTAGCTCTACTGGTTCTCCAGGTGCATCCCCTGGCACTAGC
	STGSPGTPGSGTASS	TCTACTGGTTCTCCAGGTGCTTCTCCTGGTACCAGCTCTACTGGT
	SPGSSTPSGATGSPG	TCTCCAGGTACCCCTGGTAGCGGTACTGCTTCTTCCTCTCCAGG
	TPGSGTASSSPGSSTP	TAGCTCTACTCCGTCTGGTGCTACCGGTTCTCCAGGTACCCCGG
	SGATGSPGTPGSGTA	GTAGCGGTACCGCATCTTCTTCTCCAGGTAGCTCTACCCCGTCT
	SSSPGSSTPSGATGSP	GGTGCTACTGGTTCTCCAGGTACTCCGGGCAGCGGTACTGCTTC
	GSSTPSGATGSPGSS	TTCCTCTCCAGGTAGCTCTACCCCTTCTGGTGCTACTGGCTCTCC
	PSASTGTGPGSSPSA	AGGTAGCTCTACCCCGTCTGGTGCTACTGGCTCCCCAGGTTCTA
	STGTGPGASPGTSST	GCCCTTCTGCATCCACCGGTACCGGTCCAGGTTCTAGCCCGTCT
	GSPGTPGSGTASSSP	GCATCTACTGGTACTGGTCCAGGTGCATCCCCGGGCACTAGCTC
	GSSTPSGATGSPGSS	TACCGGTTCTCCAGGTACTCCTGGTAGCGGTACTGCTTCTTCTTC
	PSASTGTGPGSSPSA	TCCAGGTAGCTCTACTCCTTCTGGTGCTACTGGTTCTCCAGGTTC
	STGTGPGASPGTSST	TAGCCCTTCTGCATCCACCGGTACCGGCCCAGGTTCTAGCCCGT
	GSPGASPGTSSTGSP	CTGCTTCTACCGGTACTGGTCCAGGTGCTTCTCCGGGTACTAGC
	GSSTPSGATGSPGSS	TCTACTGGTTCTCCAGGTGCATCTCCTGGTACTAGCTCTACTGG
	PSASTGTGPGASPGT	TTCTCCAGGTAGCTCTACTCCGTCTGGTGCAACCGGCTCTCCAG
	SSTGSPGSSPSASTGT	GTTCTAGCCCTTCTGCATCTACCGGTACTGGTCCAGGTGCATCC
	GPGTPGSGTASSSPG	CCTGGTACCAGCTCTACCGGTTCTCCAGGTTCTAGCCCTTCTGC
	SSTPSGATGSPGSSTP	TTCTACCGGTACCGGTCCAGGTACCCCTGGCAGCGGTACCGCAT
	SGATGSPGASPGTSS	CTTCCTCTCCAGGTAGCTCTACTCCGTCTGGTGCAACCGGTTCC
	TGSPGFPTIPLSRLFD	CCAGGTAGCTCTACTCCTTCTGGTGCTACTGGCTCCCCAGGTGC
	NAMLRAHRLHQLAF	ATCCCCTGGCACCAGCTCTACCGGTTCTCCAGGTTTTCCGACTA
	DTYQEFEEAYIPKEQ	TTCCGCTGTCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCAC
	KYSFLQNPQTSLCFS	CGTCTGCACCAGCTGGCCTTTGATACTTACCAGGAATTTGAAGA
	ESIPTPSNREETQQKS	AGCcTACATTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAACC
	NLELLRISLLLIQSWL	CACAGACTTCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTCC
	EPVQFLRSVFANSLV	AATCGCGAGGAAACTCAGCAAAAGTCCAATCTGGAACTACTCC
	YGASDSNVYDLLKD	GCATTTCTCTGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCAA
	LEEGIQTLMGRLEDG	TTTCTGCGTTCCGTCTTCGCCAATAGCCTAGTTTATGGCGCATCC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	SPRTGQIFKQTYSKF DTNSHNDDALLKNY GLLYCFRKDMDKVE TFLRIVQCRSVEGSC GFGGSEPATSGSETP GTSESATPESGPGSE PATSGSETPGSPAGS PTSTEEGTSTEPSEGS APGSEPATSGSETPG SEPATSGSETPGSEP ATSGSETPGTSTEPSE GSAPGTSESATPESG PGSEPATSGSETPGT STEPSEGSAP	GACAGCAACGTATACGATCTCCTGAAAGATCTCGAGGAAGGCA TTCAGACCCTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTACT GGTCAGATCTTCAAGCAGACTTACTCTAAATTTGATACTAACAG CCACAATGACGATGCGCTTCTAAAAAACTATGGTCTGCTGTATT GTTTTCGTAAAGATATGGACAAAGTTGAAACCTTCCTGCGTATT GTTCAGTGTCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGGTGG TAGCGAACCGGCAACTTCCGGCTCTGAAACCCCAGGTACTTCTG AAAGCGCTACTCCTGAGTCTGGCCCAGGTAGCGAACCTGCTAC CTCTGGCTCTGAAACCCCAGGTAGCCCGGCAGGCTCTCCGACTT CCACCGAGGAAGGTACCTCTACTGAACCTTCTGAGGGTAGCGC TCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACCCCAGGT AGCGAACCTGCTACCTCCGGCTCTGAAACTCCAGGTAGCGAAC CGGCTACTTCCGGTTCTGAAACTCCAGGTACCTCTACCGAACCT TCCGAAGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTG AATCCGGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACT CCAGGTACTTCTACCGAACCGTCCGAAGGTAGCGCACCA
AM875-hGH-AE144	GTSTEPSEGSAPGSE PATSGSETPGSPAGS PTSTEEGSTSSTAESP GPGTSTPESGSASPG STSESPSGTAPGSTSE SPSGTAPGTSTPESGS ASPGTSTPESGSASP GSEPATSGSETPGTS ESATPESGPGSPAGS PTSTEEGTSTEPSEGS APGTSESATPESGPG TSTEPSEGSAPGTSTE PSEGSAPGSPAGSPT STEEGTSTEPSEGSAP GTSTEPSEGSAPGTS ESATPESGPGTSESA TPESGPGTSTEPSEGS APGTSTEPSEGSAPG TSESATPESGPGTSTE PSEGSAPGSEPATSG SETPGSPAGSPTSTEE GSSTPSGATGSPGTP GSGTASSSPGSSTPS GATGSPGTSTEPSEG SAPGTSTEPSEGSAP GSEPATSGSETPGSP AGSPTSTEEGSPAGS PTSTEEGTSTEPSEGS APGASASGAPSTGGT SESATPESGPGSPAG SPTSTEEGSPAGSPTS TEEGSTSSTAESPGP GSTSESPSGTAPGTSP SGESSTAPGTPGSGT ASSSPGSSTPSGATG SPGSSPSASTGTGPG SEPATSGSETPGTSES ATPESGPGSEPATSG SETPGSTSSTAESPGP GSTSSTAESPGPGTSP SGESSTAPGSEPATS GSETPGSEPATSGSE TPGTSTEPSEGSAPG	GGTACTTCTACTGAACCGTCTGAAGGCAGCGCACCAGGTAGCG AACCGGCTACTTCCGGTTCTGAAACCCCAGGTAGCCCAGCAGG TTCTCCAACTTCTACTGAAGAAGGTTCTACCAGCTCTACCGCAG AATCTCCTGGTCCAGGTACCTCTACTCCGGAAAGCGGCTCTGCA TCTCCAGGTTCTACTAGCGAATCTCCTTCTGGCACTGCACCAGG TTCTACTAGCGAATCCCCGTCTGGTACTGCTCCAGGTACTTCTA CTCCTGAAAGCGGTTCCGCTTCTCCAGGTACCTCTACTCCGGAA AGCGGTTCTGCATCTCCAGGTAGCGAACCGGCAACCTCCGGCT CTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCCGG CCCAGGTAGCCCGGCAGGTTCTCCGACTTCCACTGAGGAAGGT ACCTCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGA AAGCGCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGT CCGAAGGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGG TAGCGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAG GAAGGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTA CTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTGAA AGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCTA CTCCTGAATCCGGTCCAGGTACCTCTACTGAACCTTCCGAAGGC AGCGCTCCAGGTACCTCTACCGAACCGTCCGAGGGCAGCGCAC CAGGTACTTCTGAAAGCGCAACCCCTGAATCCGGTCCAGGTAC TTCTACTGAACCTTCCGAAGGTAGCGCTCCAGGTAGCGAACCTG CTACTTCTGGTTCTGAAACCCCAGGTAGCCCGGCTGGCTCTCCG ACCTCCACCGAGGAAGGTAGCTCTACCCCGTCTGGTGCTACTGG TTCTCCAGGTACTCCGGGCAGCGGTACTGCTTCTTCCTCTCCAG GTAGCTCTACCCCTTCTGGTGCTACTGGCTCTCCAGGTACCTCT ACCGAACCGTCCGAGGGTAGCGCACCAGGTACCTCTACTGAAC CGTCTGAGGGTAGCGCTCCAGGTAGCGAACCGGCAACCTCCGG TTCTGAAACTCCAGGTAGCCCTGCTGGCTCTCCGACTTCTACTG AGGAAGGTAGCCCGGCTGGTTCTCCGACTTCTACTGAGGAAGG TACTTCTACCGAACCTTCCGAAGGTAGCGCTCCAGGTGCAAGC GCAAGCGGCGCGCCAAGCACGGGAGGTACTTCTGAAAGCGCTA CTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCC ACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAG AAGGTTCTACCAGCTCTACCGCTGAATCTCCTGGCCCAGGTTCT ACTAGCGAATCTCCGTCTGGCACCGCACCAGGTACTTCCCCTAG CGGTGAATCTTCTACTGCACCAGGTACCCCTGGCAGCGGTACCG CTTCTTCCTCTCCAGGTAGCTCTACCCCGTCTGGTGCTACTGGCT CTCCAGGTTCTAGCCCGTCTGCATCTACCGGTACCGGCCCAGGT AGCGAACCGGCAACCTCCGGCTCTGAAACTCCAGGTACTTCTG AAAGCGCTACTCCGGAATCCGGCCCAGGTAGCGAACCGGCTAC TTCCGGCTCTGAAACCCCAGGTTCCACCAGCTCTACTGCAGAAT CTCCGGGCCCAGGTTCTACTAGCTCTACTGCAGAATCTCCGGGT CCAGGTACTTCTCCTAGCGGCGAATCTTCTACCGCTCCAGGTAG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	STSSTAESPGPGTSTP ESGSASPGSTSESPSG TAPGTSTEPSEGSAP GTSTEPSEGSAPGTS TEPSEGSAPGSSTPSG ATGSPGSSPSASTGT GPGASPGTSSTGSPG SEPATSGSETPGTSES ATPESGPGSPAGSPT STEEGSSTPSGATGS PGSSPSASTGTGPGA SPGTSSTGSPGTSESA TPESGPGTSTEPSEGS APGTSTEPSEGSAPG FPTIPLSRLFDNAML RAHRLHQLAFDTYQ EFEEAYIPKEQKYSF LQNPQTSLCFSESIPT PSNREETQQKSNLEL LRISLLLIQSWLEPVQ FLRSVFANSLVYGAS DSNVYDLLKDLEEGI QTLMGRLEDGSPRT GQIFKQTYSKFDTNS HNDDALLKNYGLLY CFRKDMDKVETFLRI VQCRSVEGSCGFGG SEPATSGSETPGTSES ATPESGPGSEPATSG SETPGSPAGSPTSTEE GTSTEPSEGSAPGSE PATSGSETPGSEPAT SGSETPGSEPATSGS ETPGTSTEPSEGSAP GTSESATPESGPGSE PATSGSETPGTSTEPS EGSAP	CGAACCGGCAACCTCTGGCTCTGAAACTCCAGGTAGCGAACCT GCAACCTCCGGCTCTGAAACCCCAGGTACTTCTACTGAACCTTC TGAGGGCAGCGCACCAGGTTCTACCAGCTCTACCGCAGAATCT CCTGGTCCAGGTACCTCTACTCCGGAAAGCGGCTCTGCATCTCC AGGTTCTACTAGCGAATCTCCTTCTGGCACTGCACCAGGTACTT CTACCGAACCGTCCGAAGGCAGCGCTCCAGGTACCTCTACTGA ACCTTCCGAGGGCAGCGCTCCAGGTACCTCTACCGAACCTTCTG AAGGTAGCGCACCAGGTAGCTCTACTCCGTCTGGTGCAACCGG CTCCCCAGGTTCTAGCCCGTCTGCTTCCACTGGTACTGGCCCAG GTGCTTCCCCGGGCACCAGCTCTACTGGTTCTCCAGGTAGCGAA CCTGCTACCTCCGGTTCTGAAACCCCAGGTACCTCTGAAAGCGC AACTCCGGAGTCTGGTCCAGGTAGCCCTGCAGGTTCTCCTACCT CCACTGAGGAAGGTAGCTCTACTCCGTCTGGTGCAACCGGCTCC CCAGGTTCTAGCCCGTCTGCTTCCACTGGTACTGGCCCAGGTGC TTCCCCGGGCACCAGCTCTACTGGTTCTCCAGGTACCTCTGAAA GCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAACCGTCT GAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAAGGTA GCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTTGAT AATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTTTGA TACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGCAGA AGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTCAGC GAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGCAAA AGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATTCAG AGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGCCAA TAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGATCTCC TGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTCGTCT CGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAGACTT ACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCTTCTA AAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGGACAA AGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTTGAGG GCAGCTGTGGTTTCTAAGGTGGTAGCGAACCGGCAACTTCCGG CTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCCTGAGTCTG GCCCAGGTAGCGAACCTGCTACCTCTGGCTCTGAAACCCCAGG TAGCCCGGCAGGCTCTCCGACTTCCACCGAGGAAGGTACCTCT ACTGAACCTTCTGAGGGTAGCGCTCCAGGTAGCGAACCGGCAA CCTCTGGCTCTGAAACCCCAGGTAGCGAACCTGCTACCTCCGGC TCTGAAACTCCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAAC TCCAGGTACCTCTACCGAACCTTCCGAAGGCAGCGCACCAGGT ACTTCTGAAAGCGCAACCCCTGAATCCGGTCCAGGTAGCGAAC CGGCTACTTCTGGCTCTGAGACTCCAGGTACTTCTACCGAACCG TCCGAAGGTAGCGCACCA
AE912-hGH-AE144	MAEPAGSPTSTEEGT PGSGTASSSPGSSTPS GATGSPGASPGTSST GSPGSPAGSPTSTEE GTSESATPESGPGTS TEPSEGSAPGSPAGS PTSTEEGTSTEPSEGS APGTSTEPSEGSAPG TSESATPESGPGSEP ATSGSETPGSEPATS GSETPGSPAGSPTST EEGTSESATPESGPG TSTEPSEGSAPGTSTE PSEGSAPGSPAGSPT STEEGTSTEPSEGSAP GTSTEPSEGSAPGTS ESATPESGPGTSTEPS EGSAPGTSESATPES	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	GPGSEPATSGSETPG	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC
	TSTEPSEGSAPGTSTE	GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG
	PSEGSAPGTSESATP	GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT
	ESGPGTSESATPESG	ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG
	PGSPAGSPTSTEEGT	CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC
	SESATPESGPGSEPA	GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG
	TSGSETPGTSESATPE	AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG
	SGPGTSTEPSEGSAP	TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT
	GTSTEPSEGSAPGTS	GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC
	TEPSEGSAPGTSTEPS	CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA
	EGSAPGTSTEPSEGS	GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG
	APGTSTEPSEGSAPG	CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT
	SPAGSPTSTEEGTSTE	ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC
	PSEGSAPGTSESATP	CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT
	ESGPGSEPATSGSET	CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG
	PGTSESATPESGPGS	GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	EPATSGSETPGTSES	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	ATPESGPGTSTEPSE	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSAPGTSESATPESG	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	PGSPAGSPTSTEEGSP	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC
	TSESATPESGPGSEP	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	ATSGSETPGTSESAT	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	PESGPGSEPATSGSE	GCAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	TPGTSESATPESGPG	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	TSTEPSEGSAPGSPA	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSPTSTEEGTSESATP	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	ESGPGSEPATSGSET	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	PGTSESATPESGPGSP	CAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAA
	AGSPTSTEEGSPAGS	GAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTA
	PTSTEEGTSTEPSEGS	GCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGA
	APGTSESATPESGPG	AAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTC
	TSESATPESGPGTSES	CGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCT
	ATPESGPGSEPATSG	ACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCAC
	SETPGSEPATSGSETP	CAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACT
	GSPAGSPTSTEEGTS	TCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAG
	TEPSEGSAPGTSTEPS	CGCTACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCT
	EGSAPGSEPATSGSE	GGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTG
	TPGTSESATPESGPG	AAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGA
	TSTEPSEGSAPGFPTI	AGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACC
	PLSRLFDNAMLRAH	TCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTG
	RLHQLAFDTYQEFEE	CAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACT
	AYIPKEQKYSFLQNP	CCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCA
	QTSLCFSESIPTPSNR	GCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTTGAT
	EETQQKSNLELLRIS	AATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTTTGA
	LLLIQSWLEPVQFLR	TACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGCAGA
	SVFANSLVYGASDS	AGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTCAGC
	NVYDLLKDLEEGIQT	GAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGCAAA
	LMGRLEDGSPRTGQI	AGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATTCAG
	FKQTYSKFDTNSHN	AGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGCCAA
	DDALLKNYGLLYCF	TAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGATCTCC
	RKDMDKVETFLRIV	TGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTCGTCT
	QCRSVEGSCGFGGTS	CGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAGACTT
	ESATPESGPGTSTEPS	ACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCTTCTA
	EGSAPGTSTEPSEGS	AAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGGACAA
	APGTSESATPESGPG	AGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTTGAGG
	TSTEPSEGSAPGTSTE	GCAGCTGTGGTTTCTAAGGTGGTAGCGAACCGGCAACTTCCGG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	PSEGSAPGTSESATP ESGPGTSTEPSEGSA PGTSTEPSEGSAPGT STEPSEGSAPGSPAG SPTSTEEGTSTEPSEG SAPG	CTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCCTGAGTCTG GCCCAGGTAGCGAACCTGCTACCTCTGGCTCTGAAACCCCAGG TAGCCCGGCAGGCTCTCCGACTTCCACCGAGGAAGGTACCTCT ACTGAACCTTCTGAGGGTAGCGCTCCAGGTAGCGAACCGGCAA CCTCTGGCTCTGAAACCCCAGGTAGCGAACCTGCTACCTCCGGC TCTGAAACTCCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAAC TCCAGGTACCTCTACCGAACCTTCCGAAGGCAGCGCACCAGGT ACTTCTGAAAGCGCAACCCCTGAATCCGGTCCAGGTAGCGAAC CGGCTACTTCTGGCTCTGAGACTCCAGGTACTTCTACCGAACCG TCCGAAGGTAGCGCACCA
AM923-hGH-AE144	MAEPAGSPTSTEEGA SPGTSSTGSPGSSTPS GATGSPGSSTPSGAT GSPGTSTEPSEGSAP GSEPATSGSETPGSP AGSPTSTEEGSTSST AESPGPGTSTPESGS ASPGSTSESPSGTAP GSTSESPSGTAPGTS TPESGSASPGTSTPES GSASPGSEPATSGSE TPGTSESATPESGPG SPAGSPTSTEEGTSTE PSEGSAPGTSESATP ESGPGTSTEPSEGSA PGTSTEPSEGSAPGSP AGSPTSTEEGTSTEPS EGSAPGTSTEPSEGS APGTSESATPESGPG TSESATPESGPGTSTE PSEGSAPGTSTEPSE GSAPGTSESATPESG PGTSTEPSEGSAPGS EPATSGSETPGSPAG SPTSTEEGSSTPSGAT GSPGTPGSGTASSSP GSSTPSGATGSPGTS TEPSEGSAPGTSTEPS EGSAPGSEPATSGSE TPGSPAGSPTSTEEG SPAGSPTSTEEGTSTE PSEGSAPGASASGAP STGGTSESATPESGP GSPAGSPTSTEEGSP AGSPTSTEEGSTSST AESPGPGSTSESPSGT APGTSPSGESSTAPG TPGSGTASSSPGSSTP SGATGSPGSSPSAST GTGPGSEPATSGSET PGTSESATPESGPGS EPATSGSETPGSTSST AESPGPGSTSSTAESP GPGTSPSGESSTAPG SEPATSGSETPGSEP ATSGSETPGTSTEPSE GSAPGSTSSTAESPG PGTSTPESGSASPGST SESPSGTAPGTSTEPS	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG GCAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG CAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	EGSAPGTSTEPSEGS APGTSTEPSEGSAPG SSTPSGATGSPGSSPS ASTGTGPGASPGTSS TGSPGSEPATSGSET PGTSESATPESGPGSP AGSPTSTEEGSSTPS GATGSPGSSPSASTG TGPGASPGTSSTGSP GTSESATPESGPGTS TEPSEGSAPGTSTEPS EGSAPGFPTIPLSRLF DNAMLRAHRLHQL AFDTYQEFEEAYIPK EQKYSFLQNPQTSLC FSESIPTPSNREETQQ KSNLELLRISLLLIQS WLEPVQFLRSVFAN SLVYGASDSNVYDL LKDLEEGIQTLMGRL EDGSPRTGQIFKQTY SKFDTNSHNDDALL KNYGLLYCFRKDMD KVETFLRIVQCRSVE GSCGFGGSEPATSGS ETPGTSESATPESGP GSEPATSGSETPGSP AGSPTSTEEGTSTEPS EGSAPGSEPATSGSE TPGSEPATSGSETPG SEPATSGSETPGTSTE PSEGSAPGTSESATP ESGPGSEPATSGSET PGTSTEPSEGSAP	GAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTA GCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGA AAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTC CGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCT ACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCAC CAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACT TCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAG CGCTACCCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCT GGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTG AAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGA AGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACC TCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTG CAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACT CCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCA GCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTTGAT AATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTTTGA TACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGCAGA AGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTCAGC GAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGCAAA AGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATTCAG AGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTgTTCGCCAA TAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGATCTCC TGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTCGTCT CGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAGACTT ACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCTTCTA AAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGGACAA AGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTTGAGG GCAGCTGTGGTTTCGGAGGTACTTCTGAAAGCGCTACTCCGGA GTCCGGTCCAGGTACCTCTACCGAACCGTCCGAAGGCAGCGCT CCAGGTACTTCTACTGAACCTTCTGAGGGTAGCGCTCCAGGTAC TTCTGAAAGCGCTACTCCGGAGTCCGGTCCAGGTACCTCTACCG AACCGTCCGAAGGCAGCGCTCCAGGTACTTCTACTGAACCTTCT GAGGGTAGCGCTCCAGGTACCTCTGAAAGCGCTACTCCGGAGT CTGGCCCAGGTACCTCTACTGAACCGTCTGAGGGTAGCGCTCCA GGTACTTCTACTGAACCGTCCGAAGGTAGCGCACCAGGTACTTC TACCGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGT TCTCCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGA GGGTAGCGCACCAGGTTAA
AM1318-hGH-AE144	GTSTEPSEGSAPGSE PATSGSETPGSPAGS PTSTEEGSTSSTAESP GPGTSTPESGSASPG STSESPSGTAPGSTSE SPSGTAPGTSTPESGS ASPGTSTPESGSASP GSEPATSGSETPGTS ESATPESGPGSPAGS PTSTEEGTSTEPSEGS APGTSESATPESGPG TSTEPSEGSAPGTSTE PSEGSAPGSPAGSPT STEEGTSTEPSEGSAP GTSTEPSEGSAPGTS ESATPESGPGTSESA TPESGPGTSTEPSEGS APGTSTEPSEGSAPG TSESATPESGPGTSTE PSEGSAPGSEPATSG	GGTACTTCTACTGAACCGTCTGAAGGCAGCGCACCAGGTAGCG AACCGGCTACTTCCGGTTCTGAAACCCCAGGTAGCCCAGCAGG TTCTCCAACTTCTACTGAAGAAGGTTCTACCAGCTCTACCGCAG AATCTCCTGGTCCAGGTACCTCTACTCCGGAAAGCGGCTCTGCA TCTCCAGGTTCTACTAGCGAATCTCCTTCTGGCACTGCACCAGG TTCTACTAGCGAATCCCCGTCTGGTACTGCTCCAGGTACTTCTA *CTCCTGAAAGCGGTTCCGCTTCTCCAGGTACCTCTACTCCGGAA* AGCGGTTCTGCATCTCCAGGTAGCGAACCGGCAACCTCCGGCT CTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCCGG CCCAGGTAGCCCGGCAGGTTCTCCGACTTCCACTGAGGAAGGT ACCTCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGA AAGCGCTACCCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGT CCGAAGGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGG TAGCGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAG GAAGGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTA CTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTGAA AGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCTA CTCCTGAATCCGGTCCAGGTACCTCTACTGAACCTTCCGAAGGC AGCGCTCCAGGTACCTCTACCGAACCGTCCGAGGGCAGCGCAC CAGGTACTTCTGAAAGCGCAACCCCTGAATCCGGTCCAGGTAC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	SETPGSPAGSPTSTEE	TTCTACTGAACCTTCCGAAGGTAGCGCTCCAGGTAGCGAACCTG
	GSSTPSGATGSPGTP	CTACTTCTGGTTCTGAAACCCCAGGTAGCCCGGCTGGCTCTCCG
	GSGTASSSPGSSTPS	ACCTCCACCGAGGAAGGTAGCTCTACCCCGTCTGGTGCTACTGG
	GATGSPGTSTEPSEG	TTCTCCAGGTACTCCGGGCAGCGGTACTGCTTCTTCCTCTCCAG
	SAPGTSTEPSEGSAP	GTAGCTCTACCCCTTCTGGTGCTACTGGCTCTCCAGGTACCTCT
	GSEPATSGSETPGSP	ACCGAACCGTCCGAGGGTAGCGCACCAGGTACCTCTACTGAAC
	AGSPTSTEEGSPAGS	CGTCTGAGGGTAGCGCTCCAGGTAGCGAACCGGCAACCTCCGG
	PTSTEEGTSTEPSEGS	TTCTGAAACTCCAGGTAGCCCTGCTGGCTCTCCGACTTCTACTG
	APGPEPTGPAPSGGS	AGGAAGGTAGCCCGGCTGGTTCTCCGACTTCTACTGAGGAAGG
	EPATSGSETPGTSES	TACTTCTACCGAACCTTCCGAAGGTAGCGCTCCAGGTCCAGAAC
	ATPESGPGSPAGSPT	CAACGGGGCCGGCCCCAAGCGGAGGTAGCGAACCGGCAACCTC
	STEEGTSESATPESGP	CGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAAT
	GSPAGSPTSTEEGSP	CCGGCCCAGGTAGCCCGGCAGGTTCTCCGACTTCCACTGAGGA
	AGSPTSTEEGTSESA	AGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGC
	TPESGPGSPAGSPTST	CCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTG
	EEGSPAGSPTSTEEG	GCTCTCCAACTTCTACTGAAGAAGGTACTTCTGAAAGCGCTACT
	STSSTAESPGPGSTSE	CCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCAC
	SPSGTAPGTSPSGESS	CGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGAA
	TAPGSTSESPSGTAP	GGTTCTACCAGCTCTACCGCTGAATCTCCTGGCCCAGGTTCTAC
	GSTSESPSGTAPGTSP	TAGCGAATCTCCGTCTGGCACCGCACCAGGTACTTCCCCTAGCG
	SGESSTAPGTSTEPSE	GTGAATCTTCTACTGCACCAGGTTCTACCAGCGAATCTCCTTCT
	GSAPGTSESATPESG	GGCACCGCTCCAGGTTCTACTAGCGAATCCCCGTCTGGTACCGC
	PGTSESATPESGPGS	ACCAGGTACTTCTCCTAGCGGCGAATCTTCTACCGCACCAGGTA
	EPATSGSETPGTSES	CTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTGAA
	ATPESGPGTSESATP	AGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCTA
	ESGPGTSTEPSEGSA	CTCCTGAATCCGGTCCAGGTAGCGAACCGGCAACCTCTGGCTCT
	PGTSESATPESGPGT	GAAACCCCAGGTACCTCTGAAAGCGCTACTCCGGAATCTGGTC
	STEPSEGSAPGTSPSG	CAGGTACTTCTGAAAGCGCTACTCCGGAATCCGGTCCAGGTAC
	ESSTAPGTSPSGESST	CTCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAA
	APGTSPSGESSTAPG	GCGCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCC
	TSTEPSEGSAPGSPA	GAAGGTAGCGCACCAGGTACCTCCCCTAGCGGCGAATCTTCTA
	GSPTSTEEGTSTEPSE	CTGCTCCAGGTACCTCTCCTAGCGGCGAATCTTCTACCGCTCCA
	GSAPGSSPSASTGTG	GGTACCTCCCCTAGCGGTGAATCTTCTACCGCACCAGGTACTTC
	PGSSTPSGATGSPGS	TACCGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGT
	STPSGATGSPGSSTPS	TCTCCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGA
	GATGSPGSSTPSGAT	GGGTAGCGCACCAGGTTCTAGCCCTTCTGCTTCCACCGGTACCG
	GSPGASPGTSSTGSP	GCCCAGGTAGCTCTACTCCGTCTGGTGCAACTGGCTCTCCAGGT
	GASASGAPSTGGTSP	AGCTCTACTCCGTCTGGTGCAACCGGCTCCCCAGGTAGCTCTAC
	SGESSTAPGSTSSTA	CCCGTCTGGTGCTACCGGCTCTCCAGGTAGCTCTACCCCGTCTG
	ESPGPGTSPSGESSTA	GTGCAACCGGCTCCCCAGGTGCATCCCCGGGTACTAGCTCTACC
	PGTSESATPESGPGT	GGTTCTCCAGGTGCAAGCGCAAGCGGCGCGCCAAGCACGGGAG
	STEPSEGSAPGTSTEP	GTACTTCTCCGAGCGGTGAATCTTCTACCGCACCAGGTTCTACT
	SEGSAPGSSPSASTG	AGCTCTACCGCTGAATCTCCGGGCCCAGGTACTTCTCCGAGCGG
	TGPGSSTPSGATGSP	TGAATCTTCTACTGCTCCAGGTACCTCTGAAAGCGCTACTCCGG
	GASPGTSSTGSPGTS	AGTCTGGCCCAGGTACCTCTACTGAACCGTCTGAGGGTAGCGCT
	TPESGSASPGTSPSGE	CCAGGTACTTCTACTGAACCGTCCGAAGGTAGCGCACCAGGTT
	SSTAPGTSPSGESSTA	CTAGCCCTTCTGCATCTACTGGTACTGGCCCAGGTAGCTCTACT
	PGTSESATPESGPGS	CCTTCTGGTGCTACCGGCTCTCCAGGTGCTTCTCCGGGTACTAG
	EPATSGSETPGTSTEP	CTCTACCGGTTCTCCAGGTACTTCTACTCCGGAAAGCGGTTCCG
	SEGSAPGSTSESPSGT	CATCTCCAGGTACTTCTCCTAGCGGTGAATCTTCTACTGCTCCA
	APGSTSESPSGTAPG	GGTACCTCTCCTAGCGGCGAATCTTCTACTGCTCCAGGTACTTC
	TSTPESGSASPGSPA	TGAAAGCGCAACCCCTGAATCCGGTCCAGGTAGCGAACCGGCT
	GSPTSTEEGTSESATP	ACTTCTGGCTCTGAGACTCCAGGTACTTCTACCGAACCGTCCGA
	ESGPGTSTEPSEGSA	AGGTAGCGCACCAGGTTCTACCAGCGAATCCCCTTCTGGTACTG
	PGSPAGSPTSTEEGT	CTCCAGGTTCTACCAGCGAATCCCCTTCTGGCACCGCACCAGGT
	SESATPESGPGSEPA	ACTTCTACCCCTGAAAGCGGCTCCGCTTCTCCAGGTAGCCCGGC
	TSGSETPGSSTPSGA	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	TGSPGASPGTSSTGS	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	PGSSTPSGATGSPGS	GCAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	TSESPSGTAPGTSPSG	AGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGT
	ESSTAPGSTSSTAESP	AGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTAGCTCTA
	GPGSSTPSGATGSPG	CCCCGTCTGGTGCTACCGGTTCCCCAGGTGCTTCTCCTGGTACT
	ASPGTSSTGSPGTPG	AGCTCTACCGGTTCTCCAGGTAGCTCTACCCCGTCTGGTGCTAC
	SGTASSSPGSPAGSP	TGGCTCTCCAGGTTCTACTAGCGAATCCCCGTCTGGTACTGCTC
	TSTEEGSPAGSPTSTE	CAGGTACTTCCCCTAGCGGTGAATCTTCTACTGCTCCAGGTTCT
	EGTSTEPSEGSAPGF	ACCAGCTCTACCGCAGAATCTCCGGGTCCAGGTAGCTCTACCCC
	PTIPLSRLFDNAMLR	TTCTGGTGCAACCGGCTCTCCAGGTGCATCCCCGGGTACCAGCT
	AHRLHQLAFDTYQE	*CTACCGGTTCTCCAGGTACTCCGGGTAGCGGTACCGCTTCTTCC*
	FEEAYIPKEQKYSFL	TCTCCAGGTAGCCCTGCTGGCTCTCCGACTTCTACTGAGGAAGG
	QNPQTSLCFSESIPTP	TAGCCCGGCTGGTTCTCCGACTTCTACTGAGGAAGGTACTTCTA
	SNREETQQKSNLELL	CCGAACCTTCCGAAGGTAGCGCTCCAGGTTTTCCGACTATTCCG
	RISLLLIQSWLEPVQF	CTGTCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCACCGTCT
	LRSVFANSLVYGAS	GCACCAGCTGGCCTTTGATACTTACCAGGAATTTGAAGAAGCcT
	DSNVYDLLKDLEEGI	ACATTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAACCCACA
	QTLMGRLEDGSPRT	GACTTCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTCCAATC
	GQIFKQTYSKFDTNS	GCGAGGAAACTCAGCAAAAGTCCAATCTGGAACTACTCCGCAT
	HNDDALLKNYGLLY	TTCTCTGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCAATTTC
	CFRKDMDKVETFLRI	TGCGTTCCGTCTTCGCCAATAGCCTAGTTTATGGCGCATCCGAC
	VQCRSVEGSCGFGG	AGCAACGTATACGATCTCCTGAAAGATCTCGAGGAAGGCATTC
	SEPATSGSETPGTSES	AGACCCTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTACTGGT
	ATPESGPGSEPATSG	*CAGATCTTCAAGCAGACTTACTCTAAATTTGATACTAACAGCCA*
	SETPGSPAGSPTSTEE	CAATGACGATGCGCTTCTAAAAAACTATGGTCTGCTGTATTGTT
	GTSTEPSEGSAPGSE	TTCGTAAAGATATGGACAAAGTTGAAACCTTCCTGCGTATTGTT
	PATSGSETPGSEPAT	CAGTGTCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGGTGGTAG
	SGSETPGSEPATSGS	CGAACCGGCAACTTCCGGCTCTGAAACCCCAGGTACTTCTGAA
	ETPGTSTEPSEGSAP	AGCGCTACTCCTGAGTCTGGCCCAGGTAGCGAACCTGCTACCTC
	GTSESATPESGPGSE	TGGCTCTGAAACCCCAGGTAGCCCGGCAGGCTCTCCGACTTCCA
	PATSGSETPGTSTEPS	CCGAGGAAGGTACCTCTACTGAACCTTCTGAGGGTAGCGCTCC
	EGSAP	AGGTAGCGAACCGGCAACCTCTGGCTCTGAAACCCCAGGTAGC
		GAACCTGCTACCTCCGGCTCTGAAACTCCAGGTAGCGAACCGG
		CTACTTCCGGTTCTGAAACTCCAGGTACCTCTACCGAACCTTCC
		GAAGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAAT
		CCGGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCA
		GGTACTTCTACCGAACCGTCCGAAGGTAGCGCACCA
AE48-hGH-AE288	MAEPAGSPTSTEEGT	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA
	PGSGTASSSPGSSTPS	CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC
	GATGSPGASPGTSST	CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG
	GSPGFPTIPLSRLFDN	CTCTACCGGTTCTCCAGGTTTTCCGACTATTCCGCTGTCTCGTCT
	AMLRAHRLHQLAFD	GTTTGATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGG
	TYQEFEEAYIPKEQK	CCTTTGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAA
	YSFLQNPQTSLCFSE	GAGCAGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTG
	SIPTPSNREETQQKS	CTTCAGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTC
	NLELLRISLLLIQSWL	AGCAAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTG
	EPVQFLRSVFANSLV	ATTCAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTT
	YGASDSNVYDLLKD	CGCCAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATAC
	LEEGIQTLMGRLEDG	GATCTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGG
	SPRTGQIFKQTYSKF	*GTCGTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAG*
	DTNSHNDDALLKNY	CAGACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGC
	GLLYCFRKDMDKVE	GCTTCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATA
	TFLRIVQCRSVEGSC	TGGACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCC
	GFGGTSESATPESGP	GTTGAGGGCAGCTGTGGTTTCTAAGGTGGTACCTCTGAAAGCG
	GSEPATSGSETPGTS	CAACTCCTGAGTCTGGCCCAGGTAGCGAACCTGCTACCTCCGGC
	ESATPESGPGSEPAT	TCTGAGACTCCAGGTACCTCTGAAAGCGCAACCCCGGAATCTG
	SGSETPGTSESATPES	GTCCAGGTAGCGAACCTGCAACCTCTGGCTCTGAAACCCCAGG
	GPGTSTEPSEGSAPG	TACCTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGTACTTCTA
	SPAGSPTSTEEGTSES	CTGAACCGTCCGAGGGCAGCGCACCAGGTAGCCCTGCTGGCTC
	ATPESGPGSEPATSG	TCCAACCTCCACCGAAGAAGGTACCTCTGAAAGCGCAACCCCT
	SETPGTSESATPESGP	GAATCCGGCCCAGGTAGCGAACCGGCAACCTCCGGTTCTGAAA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	GSPAGSPTSTEEGSP AGSPTSTEEGTSTEPS EGSAPGTSESATPES GPGTSESATPESGPG TSESATPESGPGSEP ATSGSETPGSEPATS GSETPGSPAGSPTST EEGTSTEPSEGSAPG TSTEPSEGSAPGSEP ATSGSETPGTSESAT PESGPGTSTEPSEGS AP	CCCCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGT AGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTAGCCCGG CTGGCTCTCCAACTTCTACTGAAGAAGGTACTTCTACCGAACCT TCCGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCTACCCCTG AGTCCGGCCCAGGTACTTCTGAAAGCGCTACTCCTGAATCCGGT CCAGGTACTTCTGAAAGCGCTACCCCGGAATCTGGCCCAGGTA GCGAACCGGCTACTTCTGGTTCTGAAACCCCAGGTAGCGAACC GGCTACCTCCGGTTCTGAAACTCCAGGTAGCCCAGCAGGCTCTC CGACTTCCACTGAGGAAGGTACTTCTACTGAACCTTCCGAAGGC AGCGCACCAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCTC CAGGTAGCGAACCTGCAACCTCTGGCTCTGAAACCCCAGGTAC CTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGTACTTCTACTG AACCGTCCGAGGGCAGCGCACCA
AM48-hGH-AE288	MAEPAGSPTSTEEGA SPGTSSTGSPGSSTPS GATGSPGSSTPSGAT GSPGFPTIPLSRLFDN AMLRAHRLHQLAFD TYQEFEEAYIPKEQK YSFLQNPQTSLCFSE SIPTPSNREETQQKS NLELLRISLLLIQSWL EPVQFLRSVFANSLV YGASDSNVYDLLKD LEEGIQTLMGRLEDG SPRTGQIFKQTYSKF DTNSHNDDALLKNY GLLYCFRKDMDKVE TFLRIVQCRSVEGSC GFGGTSESATPESGP GSEPATSGSETPGTS ESATPESGPGSEPAT SGSETPGTSESATPES GPGTSTEPSEGSAPG SPAGSPTSTEEGTSES ATPESGPGSEPATSG SETPGTSESATPESGP GSPAGSPTSTEEGSP AGSPTSTEEGTSTEPS EGSAPGTSESATPES GPGTSESATPESGPG TSESATPESGPGSEP ATSGSETPGSEPATS GSETPGSPAGSPTST EEGTSTEPSEGSAPG TSTEPSEGSAPGSEP ATSGSETPGTSESAT PESGPGTSTEPSEGS AP	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTG CATCCCCGGGCACCAGCTCTACCGGTTCTCCAGGTAGCTCTACC CCGTCTGGTGCTACCGGCTCTCCAGGTAGCTCTACCCCGTCTGG TGCTACTGGCTCTCCAGGTTTTCCGACTATTCCGCTGTCTCGTCT GTTTGATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGG CCTTTGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAA GAGCAGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTG CTTCAGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTC AGCAAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTG ATTCAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTT CGCCAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATAC GATCTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGG GTCGTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAG CAGACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGC GCTTCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATA TGGACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCC GTTGAGGGCAGCTGTGGTTTCTAAGGTGGTACCTCTGAAAGCG CAACTCCTGAGTCTGGCCCAGGTAGCGAACCTGCTACCTCCGGC TCTGAGACTCCAGGTACCTCTGAAAGCGCAACCCCGGAATCTG GTCCAGGTAGCGAACCTGCAACCTCTGGCTCTGAAACCCCAGG TACCTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGTACTTCTA CTGAACCGTCCGAGGGCAGCGCACCAGGTAGCCCTGCTGGCTC TCCAACCTCCACCGAAGAAGGTACCTCTGAAAGCGCAACCCCT GAATCCGGCCCAGGTAGCGAACCGGCAACCTCCGGTTCTGAAA CCCCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGT AGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTAGCCCGG CTGGCTCTCCAACTTCTACTGAAGAAGGTACTTCTACCGAACCT TCCGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCTACCCCTG AGTCCGGCCCAGGTACTTCTGAAAGCGCTACTCCTGAATCCGGT CCAGGTACTTCTGAAAGCGCTACCCCGGAATCTGGCCCAGGTA GCGAACCGGCTACTTCTGGTTCTGAAACCCCAGGTAGCGAACC GGCTACCTCCGGTTCTGAAACTCCAGGTAGCCCAGCAGGCTCTC CGACTTCCACTGAGGAAGGTACTTCTACTGAACCTTCCGAAGGC AGCGCACCAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCTC CAGGTAGCGAACCTGCAACCTCTGGCTCTGAAACCCCAGGTAC CTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGTACTTCTACTG AACCGTCCGAGGGCAGCGCACCA
AE144-hGH-AE288	GSEPATSGSETPGTS ESATPESGPGSEPAT SGSETPGSPAGSPTST EEGTSTEPSEGSAPG SEPATSGSETPGSEP ATSGSETPGSEPATS GSETPGTSTEPSEGS APGTSESATPESGPG SEPATSGSETPGTSTE	GGTAGCGAACCGGCAACTTCCGGCTCTGAAACCCCAGGTACTT CTGAAAGCGCTACTCCTGAGTCTGGCCCAGGTAGCGAACCTGC TACCTCTGGCTCTGAAACCCCAGGTAGCCCGGCAGGCTCTCCGA CTTCCACCGAGGAAGGTACCTCTACTGAACCTTCTGAGGGTAGC GCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACCCCAG GTAGCGAACCTGCTACCTCCGGCTCTGAAACTCCAGGTAGCGA ACCGGCTACTTCCGGTTCTGAAACTCCAGGTACCTCTACCGAAC CTTCCGAAGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCC TGAATCCGGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	PSEGSAPGFPTIPLSR	ACTCCAGGTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAG
	LFDNAMLRAHRLHQ	GTTTTCCGACTATTCCGCTGTCTCGTCTGTTTGATAATGCTATGC
	LAFDTYQEFEEAYIP	TGCGTGCGCACCGTCTGCACCAGCTGGCCTTTGATACTTACCAG
	KEQKYSFLQNPQTSL	GAATTTGAAGAAGCcTACATTCCTAAAGAGCAGAAGTACTCTTT
	CFSESIPTPSNREETQ	CCTGCAAAACCCACAGACTTCTCTCTGCTTCAGCGAATCTATTC
	QKSNLELLRISLLLIQ	CGACGCCTTCCAATCGCGAGGAAACTCAGCAAAAGTCCAATCT
	SWLEPVQFLRSVFA	GGAACTACTCCGCATTTCTCTGCTTCTGATTCAGAGCTGGCTAG
	NSLVYGASDSNVYD	AACCAGTGCAATTTCTGCGTTCCGTCTTCGCCAATAGCCTAGTT
	LLKDLEEGIQTLMGR	TATGGCGCATCCGACAGCAACGTATACGATCTCCTGAAAGATC
	LEDGSPRTGQIFKQT	TCGAGGAAGGCATTCAGACCCTGATGGGTCGTCTCGAGGATGG
	YSKFDTNSHNDDAL	CTCTCCGCGTACTGGTCAGATCTTCAAGCAGACTTACTCTAAAT
	LKNYGLLYCFRKDM	TTGATACTAACAGCCACAATGACGATGCGCTTCTAAAAAACTA
	DKVETFLRIVQCRSV	TGGTCTGCTGTATTGTTTTCGTAAAGATATGGACAAAGTTGAAA
	EGSCGFGGTSESATP	CCTTCCTGCGTATTGTTCAGTGTCGTTCCGTTGAGGGCAGCTGT
	ESGPGSEPATSGSET	GGTTTCTAAGGTGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	PGTSESATPESGPGS	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	EPATSGSETPGTSES	ACCTCTGAAAGCGCAACCCCCGGAATCTGGTCCAGGTAGCGAAC
	ATPESGPGTSTEPSE	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	GSAPGSPAGSPTSTE	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	EGTSESATPESGPGS	CAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAA
	EPATSGSETPGTSES	GAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTA
	ATPESGPGSPAGSPT	GCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGA
	STEEGSPAGSPTSTEE	AAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTC
	GTSTEPSEGSAPGTS	CGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCT
	ESATPESGPGTSESA	ACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCAC
	TPESGPGTSESATPES	CAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACT
	GPGSEPATSGSETPG	TCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAG
	SEPATSGSETPGSPA	CGCTACCCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCT
	GSPTSTEEGTSTEPSE	GGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTG
	GSAPGTSTEPSEGSA	AAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGA
	PGSEPATSGSETPGT	AGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACC
	SESATPESGPGTSTEP	TCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTG
	SEGSAP	CAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACT
		CCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCA
		GCGCACCA
AE288-hGH-AE288	GTSESATPESGPGSE	GGTACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTAGCG
	PATSGSETPGTSESA	AACCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAAAGC
	TPESGPGSEPATSGS	GCAACCCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCTCTG
	ETPGTSESATPESGP	GCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCT
	GTSTEPSEGSAPGSP	GGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCAG
	AGSPTSTEEGTSESA	GTAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTACCTCT
	TPESGPGSEPATSGS	GAAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCGGCAA
	ETPGTSESATPESGP	CCTCCGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCCT
	GSPAGSPTSTEEGSP	GAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCG
	AGSPTSTEEGTSTEPS	AGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGG
	EGSAPGTSESATPES	TACTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTG
	GPGTSESATPESGPG	AAAGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGC
	TSESATPESGPGSEP	TACTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACCCCGG
	ATSGSETPGSEPATS	AATCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACC
	GSETPGSPAGSPTST	CCAGGTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTA
	EEGTSTEPSEGSAPG	GCCCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACT
	TSTEPSEGSAPGSEP	GAACCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTT
	ATSGSETPGTSESAT	CTGAGGGCAGCGCTCCAGGTAGCGAACCTGCAACCTCTGGCTC
	PESGPGTSTEPSEGS	TGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCC
	APGFPTIPLSRLFDNA	CAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCAGGTTTT
	MLRAHRLHQLAFDT	CCGACTATTCCGCTGTCTCGTCTGTTTGATAATGCTATGCTGCGT
	YQEFEEAYIPKEQKY	GCGCACCGTCTGCACCAGCTGGCCTTTGATACTTACCAGGAATT
	SFLQNPQTSLCFSESI	TGAAGAAGCcTACATTCCTAAAGAGCAGAAGTACTCTTTCCTGC
	PTPSNREETQQKSNL	AAAACCCACAGACTTCTCTCTGCTTCAGCGAATCTATTCCGACG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	ELLRISLLLIQSWLEP	CCTTCCAATCGCGAGGAAACTCAGCAAAAGTCCAATCTGGAAC
	VQFLRSVFANSLVY	TACTCCGCATTTCTCTGCTTCTGATTCAGAGCTGGCTAGAACCA
	GASDSNVYDLLKDL	GTGCAATTTCTGCGTTCCGTCTTCGCCAATAGCCTAGTTTATGG
	EEGIQTLMGRLEDGS	CGCATCCGACAGCAACGTATACGATCTCCTGAAAGATCTCGAG
	PRTGQIFKQTYSKFD	GAAGGCATTCAGACCCTGATGGGTCGTCTCGAGGATGGCTCTC
	TNSHNDDALLKNYG	CGCGTACTGGTCAGATCTTCAAGCAGACTTACTCTAAATTTGAT
	LLYCFRKDMDKVET	ACTAACAGCCACAATGACGATGCGCTTCTAAAAAACTATGGTC
	FLRIVQCRSVEGSCG	TGCTGTATTGTTTTCGTAAAGATATGGACAAAGTTGAAACCTTC
	FGGTSESATPESGPG	CTGCGTATTGTTCAGTGTCGTTCCGTTGAGGGCAGCTGTGGTTT
	SEPATSGSETPGTSES	CTAAGGTGGTACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCA
	ATPESGPGSEPATSG	GGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTC
	SETPGTSESATPESGP	TGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAACCTGCA
	GTSTEPSEGSAPGSP	ACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCC
	AGSPTSTEEGTSESA	TGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGC
	TPESGPGSEPATSGS	GCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAG
	ETPGTSESATPESGP	GTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGA
	GSPAGSPTSTEEGSP	ACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGAAAGC
	AGSPTSTEEGTSTEPS	GCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGAC
	EGSAPGTSESATPES	TTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTG
	GPGTSESATPESGPG	AAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCACCAGG
	TSESATPESGPGSEP	TACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTG
	ATSGSETPGSEPATS	AAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCT
	GSETPGSPAGSPTST	ACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTC
	EEGTSTEPSEGSAPG	TGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTGAAACT
	TSTEPSEGSAPGSEP	CCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTA
	ATSGSETPGTSESAT	CTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACCTCTACT
	PESGPGTSTEPSEGS	GAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTGCAACCT
	AP	CTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAA
		TCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCAC
		CA
AF144-hGH-AE288	GTSTPESGSASPGTSP	GGTACTTCTACTCCGGAAAGCGGTTCCGCATCTCCAGGTACTTC
	SGESSTAPGTSPSGES	TCCTAGCGGTGAATCTTCTACTGCTCCAGGTACCTCTCCTAGCG
	STAPGSTSSTAESPGP	GCGAATCTTCTACTGCTCCAGGTTCTACCAGCTCTACCGCTGAA
	GSTSESPSGTAPGSTS	TCTCCTGGCCCAGGTTCTACCAGCGAATCCCCGTCTGGCACCGC
	STAESPGPGTSPSGES	ACCAGGTTCTACTAGCTCTACCGCAGAATCTCCGGGTCCAGGTA
	STAPGTSTPESGSASP	CTTCCCCTAGCGGTGAATCTTCTACTGCTCCAGGTACCTCTACT
	GSTSSTAESPGPGTSP	CCGGAAAGCGGCTCCGCATCTCCAGGTTCTACTAGCTCTACTGC
	SGESSTAPGTSPSGES	TGAATCTCCTGGTCCAGGTACCTCCCCTAGCGGCGAATCTTCTA
	STAPGTSPSGESSTAP	CTGCTCCAGGTACCTCTCCTAGCGGCGAATCTTCTACCGCTCCA
	GFPTIPLSRLFDNAM	GGTACCTCCCCTAGCGGTGAATCTTCTACCGCACCAGGTTTTCC
	LRAHRLHQLAFDTY	GACTATTCCGCTGTCTCGTCTGTTTGATAATGCTATGCTGCGTG
	QEFEEAYIPKEQKYS	CGCACCGTCTGCACCAGCTGGCCTTTGATACTTACCAGGAATTT
	FLQNPQTSLCFSESIP	GAAGAAGCcTACATTCCTAAAGAGCAGAAGTACTCTTTCCTGCA
	TPSNREETQQKSNLE	AAACCCACAGACTTCTCTCTGCTTCAGCGAATCTATTCCGACGC
	LLRISLLLIQSWLEPV	CTTCCAATCGCGAGGAAACTCAGCAAAAGTCCAATCTGGAACT
	QFLRSVFANSLVYG	ACTCCGCATTTCTCTGCTTCTGATTCAGAGCTGGCTAGAACCAG
	ASDSNVYDLLKDLE	TGCAATTTCTGCGTTCCGTCTTCGCCAATAGCCTAGTTTATGGC
	EGIQTLMGRLEDGSP	GCATCCGACAGCAACGTATACGATCTCCTGAAAGATCTCGAGG
	RTGQIFKQTYSKFDT	AAGGCATTCAGACCCTGATGGGTCGTCTCGAGGATGGCTCTCC
	NSHNDDALLKNYGL	GCGTACTGGTCAGATCTTCAAGCAGACTTACTCTAAATTTGATA
	LYCFRKDMDKVETF	CTAACAGCCACAATGACGATGCGCTTCTAAAAAACTATGGTCT
	LRIVQCRSVEGSCGF	GCTGTATTGTTTTCGTAAAGATATGGACAAAGTTGAAACCTTCC
	GGTSESATPESGPGS	TGCGTATTGTTCAGTGTCGTTCCGTTGAGGGCAGCTGTGGTTTC
	EPATSGSETPGTSES	TAAGGTGGTACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAG
	ATPESGPGSEPATSG	GTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCT
	SETPGTSESATPESGP	GAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAACCTGCAA
	GTSTEPSEGSAPGSP	CCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCT
	AGSPTSTEEGTSESA	GAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCG
	TPESGPGSEPATSGS	CACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	ETPGTSESATPESGP	TACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAA
	GSPAGSPTSTEEGSP	CCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGAAAGCG
	AGSPTSTEEGTSTEPS	CTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACT
	EGSAPGTSESATPES	TCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGA
	GPGTSESATPESGPG	AGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGT
	TSESATPESGPGSEP	ACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGA
	ATSGSETPGSEPATS	AAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCTA
	GSETPGSPAGSPTST	CCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTCT
	EEGTSTEPSEGSAPG	GAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTGAAACTC
	TSTEPSEGSAPGSEP	CAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTAC
	ATSGSETPGTSESAT	TTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACCTCTACTG
	PESGPGTSTEPSEGS	AACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTGCAACCTC
	AP	TGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAAT
		CTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACC
		A
AD576-hGH-AE288	GSSESGSSEGGPGSG	GGTTCCTCTGAAAGCGGTTCTTCCGAAGGTGGTCCAGGTTCCTC
	GEPSESGSSGSSESGS	TGAAAGCGGTTCTTCTGAGGGTGGTCCAGGTGAATCTCCGGGT
	SEGGPGSSESGSSEG	GGCTCCAGCGGTTCCGAGTCAGGTTCTGGTGGCGAACCTTCCGA
	GPGSSESGSSEGGPG	GTCTGGTAGCTCAGGTGAATCTCCGGGTGGTTCTAGCGGTTCCG
	SSESGSSEGGPGSSES	AGTCAGGTGAATCTCCGGGTGGTTCCAGCGGTTCTGAGTCAGGT
	GSSEGGPGESPGGSS	TCCTCCGAAAGCGGTTCTTCTGAGGGCGGTCCAGGTTCCTCCGA
	GSESGSEGSSGPGES	AAGCGGTTCTTCCGAGGGCGGTCCAGGTTCTTCTGAAAGCGGTT
	SGSSESGSSEGGPGS	CTTCCGAGGGCGGTCCAGGTGAATCTCCTGGTGGTTCCAGCGGT
	SESGSSEGGPGSSES	TCCGAGTCAGGTGAATCTCCAGGTGGCTCTAGCGGTTCCGAGTC
	GSSEGGPGSGGEPSE	AGGTGAATCTCCTGGTGGTTCTAGCGGTTCTGAATCAGGTTCCT
	SGSSGESPGGSSGSE	CCGAAAGCGGTTCTTCTGAGGGCGGTCCAGGTTCCTCCGAAAG
	SGESPGGSSGSESGS	CGGTTCTTCCGAGGGCGGTCCAGGTTCTTCTGAAAGCGGTTCTT
	GGEPSESGSSGSSES	CCGAGGGCGGTCCAGGTTCCTCTGAAAGCGGTTCTTCTGAGGG
	GSSEGGPGSGGEPSE	CGGTCCAGGTTCTTCCGAAAGCGGTTCTTCCGAGGGCGGTCCAG
	SGSSGSGGEPSESGS	GTTCTTCCGAAAGCGGTTCTTCTGAAGGCGGTCCAGGTTCTGGT
	SGSEGSSGPGESSGE	GGCGAACCGTCCGAGTCTGGTAGCTCAGGTGAATCTCCGGGTG
	SPGGSSGSESGSGGE	GCTCTAGCGGTTCCGAGTCAGGTGAATCTCCTGGTGGTTCCAGC
	PSESGSSGSGGEPSES	GGTTCCGAGTCAGGTTCCGGTGGCGAACCGTCCGAATCTGGTA
	GSSGSGGEPSESGSS	GCTCAGGTAGCGAAGGTTCTTCTGGTCCAGGCGAATCTTCAGGT
	GSSESGSSEGGPGES	TCCTCTGAAAGCGGTTCTTCTGAGGGCGGTCCAGGTTCCGGTGG
	PGGSSGSESGESPGG	CGAACCGTCCGAATCTGGTAGCTCAGGTAGCGAAGGTTCTTCTG
	SSGSESGESPGGSSG	GTCCAGGCGAATCTTCAGGTTCCTCTGAAAGCGGTTCTTCTGAG
	SESGESPGGSSGSES	GGCGGTCCAGGTTCCGGTGGCGAACCTTCCGAATCTGGTAGCTC
	GESPGGSSGSESGSS	AGGTGAATCTCCGGGTGGTTCTAGCGGTTCTGAGTCAGGTTCTG
	ESGSSEGGPGSGGEP	GTGGTGAACCTTCCGAGTCTGGTAGCTCAGGTTCTGGTGGCGAA
	SESGSSGSEGSSGPG	CCATCCGAGTCTGGTAGCTCAGGTTCTTCCGAAAGCGGTTCTTC
	ESSGSSESGSSEGGP	CGAAGGCGGTCCAGGTTCTGGTGGTGAACCGTCCGAATCTGGT
	GSGGEPSESGSSGSS	AGCTCAGGTTCTGGTGGCGAACCATCCGAATCTGGTAGCTCAG
	ESGSSEGGPGSGGEP	GTAGCGAAGGTTCTTCTGGTCCTGGCGAATCTTCAGGTGAATCT
	SESGSSGESPGGSSG	CCAGGTGGCTCTAGCGGTTCCGAATCAGGTAGCGAAGGTTCTTC
	SESGESPGGSSGSES	CGGTCCAGGTGAATCTTCAGGTAGCGAAGGTTCTTCTGGTCCTG
	GSSESGSSEGGPGSG	GTGAATCCTCAGGTTCCGGTGGCGAACCATCTGAATCTGGTAGC
	GEPSESGSSGSSESGS	TCAGGTTCCTCTGAAAGCGGTTCTTCCGAAGGTGGTCCAGGTTC
	SEGGPGSGGEPSESG	CTCTGAAAGCGGTTCTTCTGAGGGTGGTCCAGGTGAATCTCCGG
	SSGSGGEPSESGSSG	GTGGCTCCAGCGGTTCCGAGTCAGGTTCTGGTGGCGAACCATCC
	ESPGGSSGSESGSEG	GAATCTGGTAGCTCAGGTAGCGAAGGTTCTTCTGGTCCTGGCGA
	SSGPGESSGSSESGSS	ATCTTCAGGTGAATCTCCAGGTGGCTCTAGCGGTTCCGAATCAG
	EGGPGSEGSSGPGES	GTAGCGAAGGTTCTTCCGGTCCTGGTGAGTCTTCAGGTGAATCT
	SGFPTIPLSRLFDNA	CCAGGTGGCTCTAGCGGTTCCGAGTCAGGTAGCGAAGGTTCTTC
	MLRAHRLHQLAFDT	TGGTCCTGGCGAGTCCTCAGGTTTTCCGACTATTCCGCTGTCTC
	YQEFEEAYIPKEQKY	GTCTGTTTGATAATGCTATGCTGCGTGCGCACCGTCTGCACCAG
	SFLQNPQTSLCFSESI	CTGGCCTTTGATACTTACCAGGAATTTGAAGAAGCcTACATTCC
	PTPSNREETQQKSNL	TAAAGAGCAGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTC
	ELLRISLLLIQSWLEP	TCTGCTTCAGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	VQFLRSVFANSLVY	ACTCAGCAAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCT
	GASDSNVYDLLKDL	TCTGATTCAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCG
	EEGIQTLMGRLEDGS	TCTTCGCCAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTA
	PRTGQIFKQTYSKFD	TACGATCTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGA
	TNSHNDDALLKNYG	TGGGTCGTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTC
	LLYCFRKDMDKVET	AAGCAGACTTACTCTAAATTTGATACTAACAGCCACAATGACG
	FLRIVQCRSVEGSCG	ATGCGCTTCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAA
	FGGTSESATPESGPG	GATATGGACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCG
	SEPATSGSETPGTSES	TTCCGTTGAGGGCAGCTGTGGTTTCTAAGGTGGTACCTCTGAAA
	ATPESGPGSEPATSG	GCGCAACTCCTGAGTCTGGCCCAGGTAGCGAACCTGCTACCTCC
	SETPGTSESATPESGP	GGCTCTGAGACTCCAGGTACCTCTGAAAGCGCAACCCCGGAAT
	GTSTEPSEGSAPGSP	*CTGGTCCAGGTAGCGAACCTGCAACCTCTGGCTCTGAAACCCC*
	AGSPTSTEEGTSESA	AGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGTACTT
	TPESGPGSEPATSGS	CTACTGAACCGTCCGAGGGCAGCGCACCAGGTAGCCCTGCTGG
	ETPGTSESATPESGP	CTCTCCAACCTCCACCGAAGAAGGTACCTCTGAAAGCGCAACC
	GSPAGSPTSTEEGSP	CCTGAATCCGGCCCAGGTAGCGAACCGGCAACCTCCGGTTCTG
	AGSPTSTEEGTSTEPS	AAACCCCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGCCC
	EGSAPGTSESATPES	AGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTAGC
	GPGTSESATPESGPG	CCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTACTTCTACCGA
	TSESATPESGPGSEP	ACCTTCCGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCTACC
	ATSGSETPGSEPATS	CCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCTACTCCTGAATC
	GSETPGSPAGSPTST	CGGTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCTGGCCCA
	EEGTSTEPSEGSAPG	*GGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAGGTAGCG*
	TSTEPSEGSAPGSEP	AACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCCAGCAGG
	ATSGSETPGTSESAT	CTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAACCTTCCG
	PESGPGTSTEPSEGS	AAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGAGGGCAG
	AP	CGCTCCAGGTAGCGAACCTGCAACCTCTGGCTCTGAAACCCCA
		GGTACCTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGTACTTC
		TACTGAACCGTCCGAGGGCAGCGCACCA
AE576-hGH-AE288	GSPAGSPTSTEEGTS	GGTAGCCCGGCTGGCTCTCCTACCTCTACTGAGGAAGGTACTTC
	ESATPESGPGTSTEPS	TGAAAGCGCTACTCCTGAGTCTGGTCCAGGTACCTCTACTGAAC
	EGSAPGSPAGSPTST	CGTCCGAAGGTAGCGCTCCAGGTAGCCCAGCAGGCTCTCCGAC
	EEGTSTEPSEGSAPG	TTCCACTGAGGAAGGTACTTCTACTGAACCTTCCGAAGGCAGC
	TSTEPSEGSAPGTSES	GCACCAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCTCCAG
	ATPESGPGSEPATSG	GTACTTCTGAAAGCGCTACCCCGGAATCTGGCCCAGGTAGCGA
	SETPGSEPATSGSETP	ACCGGCTACTTCTGGTTCTGAAACCCCAGGTAGCGAACCGGCT
	GSPAGSPTSTEEGTS	ACCTCCGGTTCTGAAACTCCAGGTAGCCCGGCAGGCTCTCCGAC
	ESATPESGPGTSTEPS	CTCTACTGAGGAAGGTACTTCTGAAAGCGCAACCCCGGAGTCC
	EGSAPGTSTEPSEGS	GGCCCAGGTACCTCTACCGAACCGTCTGAGGGCAGCGCACCAG
	APGSPAGSPTSTEEG	GTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTAGCCC
	TSTEPSEGSAPGTSTE	AGCAGGTTCTCCTACCTCCACCGAGGAAGGTACTTCTACCGAAC
	PSEGSAPGTSESATP	CGTCCGAGGGTAGCGCACCAGGTACCTCTACTGAACCTTCTGA
	ESGPGTSTEPSEGSA	GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAGTCC
	PGTSESATPESGPGS	GGTCCAGGTACTTCTACTGAACCGTCCGAAGGTAGCGCACCAG
	EPATSGSETPGTSTEP	GTACTTCTGAAAGCGCAACCCCTGAATCCGGTCCAGGTAGCGA
	SEGSAPGTSTEPSEG	ACCGGCTACTTCTGGCTCTGAGACTCCAGGTACTTCTACCGAAC
	SAPGTSESATPESGP	CGTCCGAAGGTAGCGCACCAGGTACTTCTACTGAACCGTCTGA
	GTSESATPESGPGSP	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCGGAATCC
	AGSPTSTEEGTSESA	GGCCCAGGTACCTCTGAAAGCGCAACCCCGGAGTCCGGCCCAG
	TPESGPGSEPATSGS	GTAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTACCTCT
	ETPGTSESATPESGP	GAAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCGGCAA
	GTSTEPSEGSAPGTS	CCTCCGGTTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCG
	TEPSEGSAPGTSTEPS	GAGTCTGGCCCAGGTACCTCTACTGAACCGTCTGAGGGTAGCG
	EGSAPGTSTEPSEGS	CTCCAGGTACTTCTACTGAACCGTCCGAAGGTAGCGCACCAGG
	APGTSTEPSEGSAPG	TACTTCTACCGAACCGTCCGAAGGCAGCGCTCCAGGTACCTCTA
	TSTEPSEGSAPGSPA	CTGAACCTTCCGAGGGCAGCGCTCCAGGTACCTCTACCGAACCT
	GSPTSTEEGTSTEPSE	TCTGAAGGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAGG
	GSAPGTSESATPESG	GTAGCGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGA
	PGSEPATSGSETPGT	GGAAGGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGT

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	SESATPESGPGSEPA	ACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTAGCGAAC
	TSGSETPGTSESATPE	CTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAAAGCGCA
	SGPGTSTEPSEGSAP	ACCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCTCTGGCT
	GTSESATPESGPGSP	CTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGC
	AGSPTSTEEGSPAGS	CCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCAGGTA
	PTSTEEGSPAGSPTST	CTTCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCT
	EEGTSESATPESGPG	GGCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCC
	TSTEPSEGSAPGFPTI	AACTTCTACTGAAGAAGGTAGCCCGGCAGGCTCTCCGACCTCT
	PLSRLFDNAMLRAH	ACTGAGGAAGGTACTTCTGAAAGCGCAACCCCGGAGTCCGGCC
	RLHQLAFDTYQEFEE	CAGGTACCTCTACCGAACCGTCTGAGGGCAGCGCACCAGGTTT
	AYIPKEQKYSFLQNP	TCCGACTATTCCGCTGTCTCGTCTGTTTGATAATGCTATGCTGCG
	QTSLCFSESIPTPSNR	TGCGCACCGTCTGCACCAGCTGGCCTTTGATACTTACCAGGAAT
	EETQQKSNLELLRIS	TTGAAGAAGCcTACATTCCTAAAGAGCAGAAGTACTCTTTCCTG
	LLLIQSWLEPVQFLR	CAAAACCCACAGACTTCTCTCTGCTTCAGCGAATCTATTCCGAC
	SVFANSLVYGASDS	GCCTTCCAATCGCGAGGAAACTCAGCAAAAGTCCAATCTGGAA
	NVYDLLKDLEEGIQT	CTACTCCGCATTTCTCTGCTTCTGATTCAGAGCTGGCTAGAACC
	LMGRLEDGSPRTGQI	AGTGCAATTTCTGCGTTCCGTCTTCGCCAATAGCCTAGTTTATG
	FKQTYSKFDTNSHN	GCGCATCCGACAGCAACGTATACGATCTCCTGAAAGATCTCGA
	DDALLKNYGLLYCF	GGAAGGCATTCAGACCCTGATGGGTCGTCTCGAGGATGGCTCT
	RKDMDKVETFLRIV	CCGCGTACTGGTCAGATCTTCAAGCAGACTTACTCTAAATTTGA
	QCRSVEGSCGFGGTS	TACTAACAGCCACAATGACGATGCGCTTCTAAAAAACTATGGT
	ESATPESGPGSEPAT	CTGCTGTATTGTTTTCGTAAAGATATGGACAAAGTTGAAACCTT
	SGSETPGTSESATPES	CCTGCGTATTGTTCAGTGTCGTTCCGTTGAGGGCAGCTGTGGTT
	GPGSEPATSGSETPG	TCTAAGGTGGTACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCA
	TSESATPESGPGTSTE	GGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTC
	PSEGSAPGSPAGSPT	TGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAACCTGCA
	STEEGTSESATPESGP	ACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCC
	GSEPATSGSETPGTS	TGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGC
	ESATPESGPGSPAGS	GCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAG
	PTSTEEGSPAGSPTST	GTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGA
	EEGTSTEPSEGSAPG	ACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGAAAGC
	TSESATPESGPGTSES	GCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGAC
	ATPESGPGTSESATP	TTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTG
	ESGPGSEPATSGSET	AAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCACCAGG
	PGSEPATSGSETPGSP	*TACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTG*
	AGSPTSTEEGTSTEPS	AAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCT
	EGSAPGTSTEPSEGS	ACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTC
	APGSEPATSGSETPG	TGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTGAAACT
	TSESATPESGPGTSTE	CCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTA
	PSEGSAP	CTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACCTCTACT
		GAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTGCAACCT
		CTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAA
		TCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCAC
		CA
AF576-*hGH*-AE288	GSTSSTAESPGPGSTS	GGTTCTACTAGCTCTACCGCTGAATCTCCTGGCCCAGGTTCCAC
	STAESPGPGSTSESPS	TAGCTCTACCGCAGAATCTCCGGGCCCAGGTTCTACTAGCGAAT
	GTAPGSTSSTAESPG	CCCCTTCTGGTACCGCTCCAGGTTCTACTAGCTCTACCGCTGAA
	PGSTSSTAESPGPGTS	TCTCCGGGTCCAGGTTCTACCAGCTCTACTGCAGAATCTCCTGG
	TPESGSASPGSTSESP	CCCAGGTACTTCTACTCCGGAAAGCGGTTCCGCTTCTCCAGGTT
	SGTAPGTSPSGESST	CTACCAGCGAATCTCCTTCTGGCACCGCTCCAGGTACCTCTCCT
	APGSTSESPSGTAPG	AGCGGCGAATCTTCTACCGCTCCAGGTTCTACTAGCGAATCTCC
	STSESPSGTAPGTSPS	TTCTGGCACTGCACCAGGTTCTACCAGCGAATCTCCTTCTGGCA
	GESSTAPGSTSESPSG	CCGCTCCAGGTACCTCTCCTAGCGGCGAATCTTCTACCGCTCCA
	TAPGSTSESPSGTAP	GGTTCTACTAGCGAATCTCCTTCTGGCACTGCACCAGGTTCTAC
	GTSPSGESSTAPGSTS	CAGCGAATCTCCTTCTGGCACCGCTCCAGGTACCTCTCCTAGCG
	ESPSGTAPGSTSESPS	GCGAATCTTCTACCGCTCCAGGTTCTACTAGCGAATCTCCTTCT
	GTAPGSTSESPSGTA	GGCACTGCACCAGGTTCTACTAGCGAATCTCCTTCTGGCACTGC
	PGTSTPESGSASPGST	ACCAGGTTCTACCAGCGAATCTCCGTCTGGCACTGCACCAGGTA
	SESPSGTAPGTSTPES	CCTCTACCCCTGAAAGCGGTTCCGCTTCTCCAGGTTCTACTAGC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	GSASPGSTSSTAESP	GAATCTCCTTCTGGTACCGCTCCAGGTACTTCTACCCCTGAAAG
	GPGSTSSTAESPGPG	CGGCTCCGCTTCTCCAGGTTCCACTAGCTCTACCGCTGAATCTC
	TSTPESGSASPGTSTP	CGGGTCCAGGTTCTACTAGCTCTACTGCAGAATCTCCTGGCCCA
	ESGSASPGSTSESPSG	GGTACCTCTACTCCGGAAAGCGGCTCTGCATCTCCAGGTACTTC
	TAPGTSTPESGSASP	TACCCCTGAAAGCGGTTCTGCATCTCCAGGTTCTACTAGCGAAT
	GTSTPESGSASPGSTS	CCCCGTCTGGTACCGCACCAGGTACTTCTACCCCGGAAAGCGG
	ESPSGTAPGSTSESPS	CTCTGCTTCTCCAGGTACTTCTACCCCGGAAAGCGGCTCCGCAT
	GTAPGSTSESPSGTA	CTCCAGGTTCTACTAGCGAATCTCCTTCTGGTACCGCTCCAGGT
	PGSTSSTAESPGPGTS	TCTACCAGCGAATCCCCGTCTGGTACTGCTCCAGGTTCTACCAG
	TPESGSASPGTSTPES	CGAATCTCCTTCTGGTACTGCACCAGGTTCTACTAGCTCTACTG
	GSASPGSTSESPSGT	CAGAATCTCCTGGCCCAGGTACCTCTACTCCGGAAAGCGGCTCT
	APGSTSESPSGTAPG	GCATCTCCAGGTACTTCTACCCCTGAAAGCGGTTCTGCATCTCC
	TSTPESGSASPGSTSE	AGGTTCTACTAGCGAATCTCCTTCTGGCACTGCACCAGGTTCTA
	SPSGTAPGSTSESPSG	CCAGCGAATCTCCGTCTGGCACTGCACCAGGTACCTCTACCCCT
	TAPGTSTPESGSASP	GAAAGCGGTTCCGCTTCTCCAGGTTCTACTAGCGAATCTCCTTC
	GTSPSGESSTAPGSTS	TGGCACTGCACCAGGTTCTACCAGCGAATCTCCGTCTGGCACTG
	STAESPGPGTSPSGES	CACCAGGTACCTCTACCCCTGAAAGCGGTTCCGCTTCTCCAGGT
	STAPGSTSSTAESPGP	ACTTCTCCGAGCGGTGAATCTTCTACCGCACCAGGTTCTACTAG
	GTSTPESGSASPGSTS	CTCTACCGCTGAATCTCCGGGCCCAGGTACTTCTCCGAGCGGTG
	ESPSGTAPGSTSSTA	AATCTTCTACTGCTCCAGGTTCCACTAGCTCTACTGCTGAATCT
	ESPGPGTSTPESGSAS	CCTGGCCCAGGTACTTCTACTCCGGAAAGCGGTTCCGCTTCTCC
	PGTSTPESGSASPGFP	AGGTTCTACTAGCGAATCTCCGTCTGGCACCGCACCAGGTTCTA
	TIPLSRLFDNAMLRA	CTAGCTCTACTGCAGAATCTCCTGGCCCAGGTACCTCTACTCCG
	HRLHQLAFDTYQEF	GAAAGCGGCTCTGCATCTCCAGGTACTTCTACCCCTGAAAGCG
	EEAYIPKEQKYSFLQ	GTTCTGCATCTCCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGT
	NPQTSLCFSESIPTPS	TTGATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCC
	NREETQQKSNLELLR	TTTGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGA
	ISLLLIQSWLEPVQFL	GCAGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCT
	RSVFANSLVYGASD	TCAGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCA
	SNVYDLLKDLEEGIQ	GCAAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGA
	TLMGRLEDGSPRTG	TTCAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTC
	QIFKQTYSKFDTNSH	GCCAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACG
	NDDALLKNYGLLYC	ATCTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGG
	FRKDMDKVETFLRI	TCGTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGC
	VQCRSVEGSCGFGG	AGACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGC
	TSESATPESGPGSEP	GCTTCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATA
	ATSGSETPGTSESAT	TGGACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCC
	PESGPGSEPATSGSE	GTTGAGGGCAGCTGTGGTTTCTAAGGTGGTACCTCTGAAAGCG
	TPGTSESATPESGPG	CAACTCCTGAGTCTGGCCCAGGTAGCGAACCTGCTACCTCCGGC
	TSTEPSEGSAPGSPA	TCTGAGACTCCAGGTACCTCTGAAAGCGCAACCCCGGAATCTG
	GSPTSTEEGTSESATP	GTCCAGGTAGCGAACCTGCAACCTCTGGCTCTGAAACCCCAGG
	ESGPGSEPATSGSET	TACCTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGTACTTCTA
	PGTSESATPESGPGSP	CTGAACCGTCCGAGGGCAGCGCACCAGGTAGCCCTGCTGGCTC
	AGSPTSTEEGSPAGS	TCCAACCTCCACCGAAGAAGGTACCTCTGAAAGCGCAACCCCT
	PTSTEEGTSTEPSEGS	GAATCCGGCCCAGGTAGCGAACCGGCAACCTCCGGTTCTGAAA
	APGTSESATPESGPG	CCCCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGT
	TSESATPESGPGTSES	AGCCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTAGCCCGG
	ATPESGPGSEPATSG	CTGGCTCTCCAACTTCTACTGAAGAAGGTACTTCTACCGAACCT
	SETPGSEPATSGSETP	TCCGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCTACCCCTG
	GSPAGSPTSTEEGTS	AGTCCGGCCCAGGTACTTCTGAAAGCGCTACTCCTGAATCCGGT
	TEPSEGSAPGTSTEPS	CCAGGTACTTCTGAAAGCGCTACCCCGGAATCTGGCCCAGGTA
	EGSAPGSEPATSGSE	GCGAACCGGCTACTTCTGGTTCTGAAACCCCAGGTAGCGAACC
	TPGTSESATPESGPG	GGCTACCTCCGGTTCTGAAACTCCAGGTAGCCCAGCAGGCTCTC
	TSTEPSEGSAP	CGACTTCCACTGAGGAAGGTACTTCTACTGAACCTTCCGAAGGC
		AGCGCACCAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCTC
		CAGGTAGCGAACCTGCAACCTCTGGCTCTGAAACCCCAGGTAC
		CTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGTACTTCTACTG
		AACCGTCCGAGGGCAGCGCACCA
AE624-	MAEPAGSPTSTEEGT	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
hGH-AE288	PGSGTASSSPGSSTPS	CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC
	GATGSPGASPGTSST	CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG
	GSPGSPAGSPTSTEE	CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA
	GTSESATPESGPGTS	CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA
	TEPSEGSAPGSPAGS	GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC
	PTSTEEGTSTEPSEGS	CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA
	APGTSTEPSEGSAPG	CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA
	TSESATPESGPGSEP	GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT
	ATSGSETPGSEPATS	GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG
	GSETPGSPAGSPTST	GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC
	EEGTSESATPESGPG	GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC
	TSTEPSEGSAPGTSTE	GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG
	PSEGSAPGSPAGSPT	AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG
	STEEGTSTEPSEGSAP	CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA
	GTSTEPSEGSAPGTS	GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT
	ESATPESGPGTSTEPS	CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC
	EGSAPGTSESATPES	GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA
	GPGSEPATSGSETPG	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC
	TSTEPSEGSAPGTSTE	GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG
	PSEGSAPGTSESATP	GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT
	ESGPGTSESATPESG	ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG
	PGSPAGSPTSTEEGT	CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC
	SESATPESGPGSEPA	GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG
	TSGSETPGTSESATPE	AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG
	SGPGTSTEPSEGSAP	TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT
	GTSTEPSEGSAPGTS	GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC
	TEPSEGSAPGTSTEPS	CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA
	EGSAPGTSTEPSEGS	GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG
	APGTSTEPSEGSAPG	CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT
	SPAGSPTSTEEGTSTE	ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC
	PSEGSAPGTSESATP	CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT
	ESGPGSEPATSGSET	CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG
	PGTSESATPESGPGS	GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	EPATSGSETPGTSES	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	ATPESGPGTSTEPSE	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSAPGTSESATPESG	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	PGSPAGSPTSTEEGSP	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC
	FPTIPLSRLFDNAML	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	RAHRLHQLAFDTYQ	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	EFEEAYIPKEQKYSF	GCAGCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTT
	LQNPQTSLCFSESIPT	GATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTT
	PSNREETQQKSNLEL	TGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGC
	LRISLLLIQSWLEPVQ	AGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTC
	FLRSVFANSLVYGAS	AGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGC
	DSNVYDLLKDLEEGI	AAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATT
	QTLMGRLEDGSPRT	CAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGC
	GQIFKQTYSKFDTNS	CAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGAT
	HNDDALLKNYGLLY	CTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTC
	CFRKDMDKVETFLRI	GTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAG
	VQCRSVEGSCGFGG	ACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCT
	TSESATPESGPGSEP	TCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGG
	ATSGSETPGTSESAT	ACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTT
	PESGPGSEPATSGSE	GAGGGCAGCTGTGGTTTCTAAGGTGGTACCTCTGAAAGCGCAA
	TPGTSESATPESGPG	CTCCTGAGTCTGGCCCAGGTAGCGAACCTGCTACCTCCGGCTCT
	TSTEPSEGSAPGSPA	GAGACTCCAGGTACCTCTGAAAGCGCAACCCCGGAATCTGGTC
	GSPTSTEEGTSESATP	CAGGTAGCGAACCTGCAACCTCTGGCTCTGAAACCCCAGGTAC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	ESGPGSEPATSGSET PGTSESATPESGPGSP AGSPTSTEEGSPAGS PTSTEEGTSTEPSEGS APGTSESATPESGPG TSESATPESGPGTSES ATPESGPGSEPATSG SETPGSEPATSGSETP GSPAGSPTSTEEGTS TEPSEGSAPGTSTEPS EGSAPGSEPATSGSE TPGTSESATPESGPG TSTEPSEGSAP	CTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGTACTTCTACTG AACCGTCCGAGGGCAGCGCACCAGGTAGCCCTGCTGGCTCTCC AACCTCCACCGAAGAAGGTACCTCTGAAAGCGCAACCCCTGAA TCCGGCCCAGGTAGCGAACCGGCAACCTCCGGTTCTGAAACCC CAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAG CCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCT GGCTCTCCAACTTCTACTGAAGAAGGTACTTCTACCGAACCTTC CGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCTACCCCTGAG TCCGGCCCAGGTACTTCTGAAAGCGCTACTCCTGAATCCGGTCC AGGTACTTCTGAAAGCGCTACCCCGGAATCTGGCCCAGGTAGC GAACCGGCTACTTCTGGTTCTGAAACCCCAGGTAGCGAACCGG CTACCTCCGGTTCTGAAACTCCAGGTAGCCCAGCAGGCTCTCCG ACTTCCACTGAGGAAGGTACTTCTACTGAACCTTCCGAAGGCA GCGCACCAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCTCC AGGTAGCGAACCTGCAACCTCTGGCTCTGAAACCCCAGGTACC TCTGAAAGCGCTACTCCTGAATCTGGCCCAGGTACTTCTACTGA ACCGTCCGAGGGCAGCGCACCA
AD836-hGH-AE288	GSSESGSSEGGPGSS ESGSSEGGPGESPGG SSGSESGSGGEPSES GSSGESPGGSSGSES GESPGGSSGSESGSS ESGSSEGGPGSSESG SSEGGPGSSESGSSE GGPGESPGGSSGSES GESPGGSSGSESGES PGGSSGSESGSSESG SSEGGPGSSESGSSE GGPGSSESGSSEGGP GSSESGSSEGGPGSS ESGSSEGGPGSSESG SSEGGPGSGGEPSES GSSGESPGGSSGSES GESPGGSSGSESGSG GEPSESGSSGSEGSS GPGESSGSSESGSSE GGPGSGGEPSESGSS GSEGSSGPGESSGSS ESGSSEGGPGSGGEP SESGSSGESPGGSSG SESGSGGEPSESGSS GSGGEPSESGSSGSS ESGSSEGGPGSGGEP SESGSSGSGGEPSES GSSGSEGSSGPGESS GESPGGSSGSESGSE GSSGPGESSGSEGSS GPGESSGSGGEPSES GSSGSSESGSSEGGP GSSESGSSEGGPGES PGGSSGSESGSGGEP SESGSSGSEGSSGPG ESSGESPGGSSGSES GSEGSSGPGSSESGS SEGGPGSGGEPSESG SSGSEGSSGPGESSG SEGSSGPGESSGSEG SSGPGESSGSGGEPS ESGSSGSGGEPSESG	GGTTCCTCTGAAAGCGGTTCTTCCGAAGGTGGTCCAGGTTCCTC TGAAAGCGGTTCTTCTGAGGGTGGTCCAGGTGAATCTCCGGGT GGCTCCAGCGGTTCCGAGTCAGGTTCTGGTGGCGAACCTTCCGA GTCTGGTAGCTCAGGTGAATCTCCGGGTGGTTCTAGCGGTTCCG AGTCAGGTGAATCTCCGGGTGGTTCCAGCGGTTCTGAGTCAGGT TCCTCCGAAAGCGGTTCTTCTGAGGGCGGTCCAGGTTCCTCCGA AAGCGGTTCTTCCGAGGGCGGTCCAGGTTCTTCTGAAAGCGGTT CTTCCGAGGGCGGTCCAGGTGAATCTCCTGGTGGTTCCAGCGGT TCCGAGTCAGGTGAATCTCCAGGTGGCTCTAGCGGTTCCGAGTC AGGTGAATCTCCTGGTGGTTCTAGCGGTTCTGAATCAGGTTCCT CCGAAAGCGGTTCTTCTGAGGGCGGTCCAGGTTCCTCCGAAAG CGGTTCTTCCGAGGGCGGTCCAGGTTCTTCTGAAAGCGGTTCTT CCGAGGGCGGTCCAGGTTCCTCTGAAAGCGGTTCTTCTGAGGG CGGTCCAGGTTCTTCCGAAAGCGGTTCTTCCGAGGGCGGTCCAG GTTCTTCCGAAAGCGGTTCTTCTGAAGGCGGTCCAGGTTCTGGT GGCGAACCGTCCGAGTCTGGTAGCTCAGGTGAATCTCCGGGTG GCTCTAGCGGTTCCGAGTCAGGTGAATCTCCTGGTGGTTCCAGC GGTTCCGAGTCAGGTTCCGGTGGCGAACCGTCCGAATCTGGTA GCTCAGGTAGCGAAGGTTCTTCTGGTCCAGGCGAATCTTCAGGT TCCTCTGAAAGCGGTTCTTCTGAGGGCGGTCCAGGTTCCGGTGG CGAACCGTCCGAATCTGGTAGCTCAGGTAGCGAAGGTTCTTCTG GTCCAGGCGAATCTTCAGGTTCCTCTGAAAGCGGTTCTTCTGAG GGCGGTCCAGGTTCCGGTGGCGAACCTTCCGAATCTGGTAGCTC AGGTGAATCTCCGGGTGGTTCTAGCGGTTCTGAGTCAGGTTCTG GTGGTGAACCTTCCGAGTCTGGTAGCTCAGGTTCTGGTGGCGAA CCATCCGAGTCTGGTAGCTCAGGTTCTTCCGAAAGCGGTTCTTC CGAAGGCGGTCCAGGTTCTGGTGGTGAACCGTCCGAATCTGGT AGCTCAGGTTCTGGTGGCGAACCATCCGAATCTGGTAGCTCAG GTAGCGAAGGTTCTTCTGGTCCTGGCGAATCTTCAGGTGAATCT CCAGGTGGCTCTAGCGGTTCCGAATCAGGTAGCGAAGGTTCTTC CGGTCCAGGTGAATCTTCAGGTAGCGAAGGTTCTTCTGGTCCTG GTGAATCCTCAGGTTCCGGTGGCGAACCATCTGAATCTGGTAGC TCAGGTTCCTCTGAAAGCGGTTCTTCCGAAGGTGGTCCAGGTTC CTCTGAAAGCGGTTCTTCTGAGGGTGGTCCAGGTGAATCTCCGG GTGGCTCCAGCGGTTCCGAGTCAGGTTCTGGTGGCGAACCATCC GAATCTGGTAGCTCAGGTAGCGAAGGTTCTTCTGGTCCTGGCGA ATCTTCAGGTGAATCTCCAGGTGGCTCTAGCGGTTCCGAATCAG GTAGCGAAGGTTCTTCCGGTCCaGGTTCCTCTGAAAGCGGTTCT TCTGAGGGCGGTCCAGGTTCTGGTGGCGAACCATCTGAATCTG GTAGCTCAGGTAGCGAAGGTTCTTCCGGTCCGGGTGAATCTTCA GGTAGCGAAGGTTCTTCCGGTCCAGGTGAATCTTCAGGTAGCG AAGGTTCTTCTGGTCCTGGTGAATCCTCAGGTTCCGGTGGCGAA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	SSGESPGGSSGSESG	CCATCTGAATCTGGTAGCTCAGGTTCTGGTGGCGAACCATCCGA
	ESPGGSSGSESGSGG	ATCTGGTAGCTCAGGTGAATCTCCGGGTGGCTCCAGCGGTTCTG
	EPSESGSSGSEGSSGP	AATCAGGTGAATCTCCTGGTGGCTCCAGCGGTTCTGAGTCAGGT
	GESSGESPGGSSGSE	TCTGGTGGCGAACCATCCGAATCTGGTAGCTCAGGTAGCGAAG
	SGSSESGSSEGGPGS	GTTCTTCTGGTCCTGGCGAATCTTCAGGTGAATCTCCAGGTGGC
	SESGSSEGGPGSSES	TCTAGCGGTTCCGAATCAGGTTCCTCTGAAAGCGGTTCTTCTGA
	GSSEGGPGSGGEPSE	GGGCGGTCCAGGTTCTTCCGAAAGCGGTTCTTCCGAGGGCGGT
	SGSSGSSESGSSEGG	CCAGGTTCTTCCGAAAGCGGTTCTTCTGAAGGCGGTCCAGGTTC
	PGESPGGSSGSESGS	TGGTGGCGAACCGTCCGAATCTGGTAGCTCAGGTTCCTCCGAA
	GGEPSESGSSGSSES	AGCGGTTCTTCTGAAGGTGGTCCAGGTGAATCTCCAGGTGGTTC
	GSSEGGPGESPGGSS	TAGCGGTTCTGAATCAGGTTCTGGTGGCGAACCGTCCGAATCTG
	GSESGSGGEPSESGS	GTAGCTCAGGTTCCTCCGAAAGCGGTTCTTCTGAAGGTGGTCCA
	SGESPGGSSGSESGS	GGTGAATCTCCAGGTGGTTCTAGCGGTTCTGAATCAGGTTCTGG
	GGEPSESGSSGFPTIP	TGGCGAACCGTCCGAATCTGGTAGCTCAGGTGAATCTCCTGGTG
	LSRLFDNAMLRAHR	GTTCCAGCGGTTCCGAGTCAGGTTCTGGTGGCGAACCTTCCGAA
	LHQLAFDTYQEFEE	TCTGGTAGCTCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTT
	AYIPKEQKYSFLQNP	GATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTT
	QTSLCFSESIPTPSNR	TGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGC
	EETQQKSNLELLRIS	AGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTC
	LLLIQSWLEPVQFLR	AGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGC
	SVFANSLVYGASDS	AAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATT
	NVYDLLKDLEEGIQT	CAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGC
	LMGRLEDGSPRTGQI	CAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGAT
	FKQTYSKFDTNSHN	CTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTC
	DDALLKNYGLLYCF	*GTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAG*
	RKDMDKVETFLRIV	ACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCT
	QCRSVEGSCGFGGTS	TCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGG
	ESATPESGPGSEPAT	ACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTT
	SGSETPGTSESATPES	GAGGGCAGCTGTGGTTTCTAAGGTGGTACCTCTGAAAGCGCAA
	GPGSEPATSGSETPG	CTCCTGAGTCTGGCCCAGGTAGCGAACCTGCTACCTCCGGCTCT
	TSESATPESGPGTSTE	GAGACTCCAGGTACCTCTGAAAGCGCAACCCCCGGAATCTGGTC
	PSEGSAPGSPAGSPT	CAGGTAGCGAACCTGCAACCTCTGGCTCTGAAACCCCAGGTAC
	STEEGTSESATPESGP	CTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGTACTTCTACTG
	GSEPATSGSETPGTS	AACCGTCCGAGGGCAGCGCACCAGGTAGCCCTGCTGGCTCTCC
	ESATPESGPGSPAGS	AACCTCCACCGAAGAAGGTACCTCTGAAAGCGCAACCCCTGAA
	PTSTEEGSPAGSPTST	TCCGGCCCAGGTAGCGAACCGGCAACCTCCGGTTCTGAAACCC
	EEGTSTEPSEGSAPG	CAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAG
	TSESATPESGPGTSES	CCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCT
	ATPESGPGTSESATP	GGCTCTCCAACTTCTACTGAAGAAGGTACTTCTACCGAACCTTC
	ESGPGSEPATSGSET	CGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCTACCCCTGAG
	PGSEPATSGSETPGSP	TCCGGCCCAGGTACTTCTGAAAGCGCTACTCCTGAATCCGGTCC
	AGSPTSTEEGTSTEPS	AGGTACTTCTGAAAGCGCTACCCCGGAATCTGGCCCAGGTAGC
	EGSAPGTSTEPSEGS	GAACCGGCTACTTCTGGTTCTGAAACCCCAGGTAGCGAACCGG
	APGSEPATSGSETPG	CTACCTCCGGTTCTGAAACTCCAGGTAGCCCAGCAGGCTCTCCG
	TSESATPESGPGTSTE	ACTTCCACTGAGGAAGGTACTTCTACTGAACCTTCCGAAGGCA
	PSEGSAP	GCGCACCAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCTCC
		AGGTAGCGAACCTGCAACCTCTGGCTCTGAAACCCCAGGTACC
		TCTGAAAGCGCTACTCCTGAATCTGGCCCAGGTACTTCTACTGA
		ACCGTCCGAGGGCAGCGCACCA
AE864-hGH-AE288	GSPAGSPTSTEEGTS	GGTAGCCCGGCTGGCTCTCCTACCTCTACTGAGGAAGGTACTTC
	ESATPESGPGTSTEPS	TGAAAGCGCTACTCCTGAGTCTGGTCCAGGTACCTCTACTGAAC
	EGSAPGSPAGSPTST	CGTCCGAAGGTAGCGCTCCAGGTAGCCCAGCAGGCTCTCCGAC
	EEGTSTEPSEGSAPG	TTCCACTGAGGAAGGTACTTCTACTGAACCTTCCGAAGGCAGC
	TSTEPSEGSAPGTSES	GCACCAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCTCCAG
	ATPESGPGSEPATSG	GTACTTCTGAAAGCGCTACCCCGGAATCTGGCCCAGGTAGCGA
	SETPGSEPATSGSETP	ACCGGCTACTTCTGGTTCTGAAACCCCAGGTAGCGAACCGGCT
	GSPAGSPTSTEEGTS	ACCTCCGGTTCTGAAACTCCAGGTAGCCCGGCAGGCTCTCCGAC
	ESATPESGPGTSTEPS	CTCTACTGAGGAAGGTACTTCTGAAAGCGCAACCCCGGAGTCC
	EGSAPGTSTEPSEGS	GGCCCAGGTACCTCTACCGAACCGTCTGAGGGCAGCGCACCAG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	APGSPAGSPTSTEEG	GTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTAGCCC
	TSTEPSEGSAPGTSTE	AGCAGGTTCTCCTACCTCCACCGAGGAAGGTACTTCTACCGAAC
	PSEGSAPGTSESATP	CGTCCGAGGGTAGCGCACCAGGTACCTCTACTGAACCTTCTGA
	ESGPGTSTEPSEGSA	GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAGTCC
	PGTSESATPESGPGS	GGTCCAGGTACTTCTACTGAACCGTCCGAAGGTAGCGCACCAG
	EPATSGSETPGTSTEP	GTACTTCTGAAAGCGCAACCCCTGAATCCGGTCCAGGTAGCGA
	SEGSAPGTSTEPSEG	ACCGGCTACTTCTGGCTCTGAGACTCCAGGTACTTCTACCGAAC
	SAPGTSESATPESGP	CGTCCGAAGGTAGCGCACCAGGTACTTCTACTGAACCGTCTGA
	GTSESATPESGPGSP	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCGGAATCC
	AGSPTSTEEGTSESA	GGCCCAGGTACCTCTGAAAGCGCAACCCCGGAGTCCGGCCCAG
	TPESGPGSEPATSGS	GTAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTACCTCT
	ETPGTSESATPESGP	GAAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCGGCAA
	GTSTEPSEGSAPGTS	*CCTCCGGTTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCG*
	TEPSEGSAPGTSTEPS	GAGTCTGGCCCAGGTACCTCTACTGAACCGTCTGAGGGTAGCG
	EGSAPGTSTEPSEGS	CTCCAGGTACTTCTACTGAACCGTCCGAAGGTAGCGCACCAGG
	APGTSTEPSEGSAPG	TACTTCTACCGAACCGTCCGAAGGCAGCGCTCCAGGTACCTCTA
	TSTEPSEGSAPGSPA	CTGAACCTTCCGAGGGCAGCGCTCCAGGTACCTCTACCGAACCT
	GSPTSTEEGTSTEPSE	TCTGAAGGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAGG
	GSAPGTSESATPESG	GTAGCGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGA
	PGSEPATSGSETPGT	GGAAGGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGT
	SESATPESGPGSEPA	ACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTAGCGAAC
	TSGSETPGTSESATPE	CTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAAAGCGCA
	SGPGTSTEPSEGSAP	ACCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCTCTGGCT
	GTSESATPESGPGSP	CTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGC
	AGSPTSTEEGSPAGS	CCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCAGGTA
	PTSTEEGSPAGSPTST	CTTCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCT
	EEGTSESATPESGPG	GGCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCC
	TSTEPSEGSAPGTSES	AACTTCTACTGAAGAAGGTAGCCCGGCAGGCTCTCCGACCTCT
	ATPESGPGSEPATSG	ACTGAGGAAGGTACTTCTGAAAGCGCAACCCCGGAGTCCGGCC
	SETPGTSESATPESGP	CAGGTACCTCTACCGAACCGTCTGAGGGCAGCGCACCAGGTAC
	GSEPATSGSETPGTS	CTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTAGCGAACCT
	ESATPESGPGTSTEPS	GCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAAAGCGCAA
	EGSAPGSPAGSPTST	CCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCTCTGGCTCT
	EEGTSESATPESGPG	GAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCC
	SEPATSGSETPGTSES	CAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCAGGTAG
	ATPESGPGSPAGSPT	CCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTACCTCTGAAA
	STEEGSPAGSPTSTEE	GCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCGGCAACCTC
	GTSTEPSEGSAPGTS	CGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCCTGAGT
	ESATPESGPGTSESA	CCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGA
	TPESGPGTSESATPES	AGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTACTT
	GPGSEPATSGSETPG	CTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTGAAAG
	SEPATSGSETPGSPA	CGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCTACTC
	GSPTSTEEGTSTEPSE	CTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT
	GSAPGTSTEPSEGSA	GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG
	PGSEPATSGSETPGT	GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC
	SESATPESGPGTSTEP	AGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAAC
	SEGSAPGFPTIPLSRL	CTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGAG
	FDNAMLRAHRLHQL	GGCAGCGCTCCAGGTAGCGAACCTGCAACCTCTGGCTCTGAAA
	AFDTYQEFEEAYIPK	CCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGT
	EQKYSFLQNPQTSLC	ACTTCTACTGAACCGTCCGAGGGCAGCGCACCAGGTTTTCCGAC
	FSESIPTPSNREETQQ	*TATTCCGCTGTCTCGTCTGTTTGATAATGCTATGCTGCGTGCGC*
	KSNLELLRISLLLIQS	ACCGTCTGCACCAGCTGGCCTTTGATACTTACCAGGAATTTGAA
	WLEPVQFLRSVFAN	GAAGCcTACATTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAA
	SLVYGASDSNVYDL	CCCACAGACTTCTCTCTGCTTCAGCGAATCTATTCCGACGCCTT
	LKDLEEGIQTLMGRL	CCAATCGCGAGGAAACTCAGCAAAAGTCCAATCTGGAACTACT
	EDGSPRTGQIFKQTY	CCGCATTTCTCTGCTTCTGATTCAGAGCTGGCTAGAACCAGTGC
	SKFDTNSHNDDALL	AATTTCTGCGTTCCGTCTTCGCCAATAGCCTAGTTTATGGCGCA
	KNYGLLYCFRKDMD	TCCGACAGCAACGTATACGATCTCCTGAAAGATCTCGAGGAAG
	KVETFLRIVQCRSVE	GCATTCAGACCCTGATGGGTCGTCTCGAGGATGGCTCTCCGCGT

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	GSCGFGGTSESATPE SGPGSEPATSGSETP GTSESATPESGPGSE PATSGSETPGTSESA TPESGPGTSTEPSEGS APGSPAGSPTSTEEG TSESATPESGPGSEP ATSGSETPGTSESAT PESGPGSPAGSPTSTE EGSPAGSPTSTEEGT STEPSEGSAPGTSES ATPESGPGTSESATP ESGPGTSESATPESG PGSEPATSGSETPGS EPATSGSETPGSPAG SPTSTEEGTSTEPSEG SAPGTSTEPSEGSAP GSEPATSGSETPGTS ESATPESGPGTSTEPS EGSAP	ACTGGTCAGATCTTCAAGCAGACTTACTCTAAATTTGATACTAA CAGCCACAATGACGATGCGCTTCTAAAAAACTATGGTCTGCTGT ATTGTTTTCGTAAAGATATGGACAAAGTTGAAACCTTCCTGCGT ATTGTTCAGTGTCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGG TGGTACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTAGC GAACCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAAAG CGCAACCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCTCT GGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATC TGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCA GGTAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTACCTC TGAAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCGGCA ACCTCCGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCC TGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCG AGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGG TACTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTG AAAGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGC TACTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACCCCGG AATCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACC CCAGGTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTA GCCCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACT GAACCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTT CTGAGGGCAGCGCTCCAGGTAGCGAACCTGCAACCTCTGGCTC TGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCC CAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCA
AF864-hGH-AE288	GSTSESPSGTAPGTSP SGESSTAPGSTSESPS GTAPGSTSESPSGTA PGTSTPESGSASPGTS TPESGSASPGSTSESP SGTAPGSTSESPSGT APGTSPSGESSTAPG STSESPSGTAPGTSPS GESSTAPGTSPSGESS TAPGSTSSTAESPGP GTSPSGESSTAPGTSP SGESSTAPGSTSSTA ESPGPGTSTPESGSAS PGTSTPESGSASPGST SESPSGTAPGSTSESP SGTAPGTSTPESGSA SPGSTSSTAESPGPGT STPESGSASPGSTSES PSGTAPGTSPSGESST APGSTSSTAESPGPG TSPSGESSTAPGTSTP ESGSASPGSTSSTAES PGPGSTSSTAESPGP GSTSSTAESPGPGSTS STAESPGPGTSPSGES STAPGSTSESPSGTAP GSTSESPSGTAPGTS TPESGPXXXGASASG APSTXXXXSESPSGT APGSTSESPSGTAPG STSESPSGTAPGSTSE SPSGTAPGSTSESPSG TAPGSTSESPSGTAP GTSTPESGSASPGTSP SGESSTAPGTSPSGES	GGTTCTACCAGCGAATCTCCTTCTGGCACCGCTCCAGGTACCTC TCCTAGCGGCGAATCTTCTACCGCTCCAGGTTCTACTAGCGAAT CTCCTTCTGGCACTGCACCAGGTTCTACTAGCGAATCCCCGTCT GGTACTGCTCCAGGTACTTCTACTCCTGAAAGCGGTTCCGCTTC TCCAGGTACCTCTACTCCGGAAAGCGGTTCTGCATCTCCAGGTT CTACCAGCGAATCTCCTTCTGGCACCGCTCCAGGTTCTACTAGC GAATCCCCGTCTGGTACCGCACCAGGTACTTCTCCTAGCGGCGA ATCTTCTACCGCACCAGGTTCTACTAGCGAATCTCCGTCTGGCA CTGCTCCAGGTACTTCTCCTAGCGGTGAATCTTCTACCGCTCCA GGTACTTCCCCTAGCGGCGAATCTTCTACCGCTCCAGGTTCTAC TAGCTCTACTGCAGAATCTCCGGGCCCAGGTACCTCTCCTAGCG GTGAATCTTCTACCGCTCCAGGTACTTCTCCGAGCGGTGAATCT TCTACCGCTCCAGGTTCTACTAGCTCTACTGCAGAATCTCCTGG CCCAGGTACCTCTACTCCGGAAAGCGGCTCTGCATCTCCAGGTA CTTCTACCCCTGAAAGCGGTTCTGCATCTCCAGGTTCTACTAGC GAATCTCCTTCTGGCACTGCACCAGGTTCTACCAGCGAATCTCC GTCTGGCACTGCACCAGGTACCTCTACCCCTGAAAGCGGTTCCG CTTCTCCAGGTTCTACCAGCTCTACCGCAGAATCTCCTGGTCCA GGTACCTCTACTCCGGAAAGCGGCTCTGCATCTCCAGGTTCTAC TAGCGAATCTCCTTCTGGCACTGCACCAGGTACTTCTCCGAGCG GTGAATCTTCTACCGCACCAGGTTCTACTAGCTCTACCGCTGAA TCTCCGGGCCCAGGTACTTCTCCGAGCGGTGAATCTTCTACTGC TCCAGGTACCTCTACTCCTGAAAGCGGTTCTGCATCTCCAGGTT CCACTAGCTCTACCGCAGAATCTCCGGGCCCAGGTTCTACTAGC TCTACTGCTGAATCTCCTGGCCCAGGTTCTACTAGCTCTACTGC TGAATCTCCGGGTCCAGGTTCTACCAGCTCTACTGCTGAATCTC CTGGTCCAGGTACCTCCCCGAGCGGTGAATCTTCTACTGCACCA GGTTCTACTAGCGAATCTCCTTCTGGCACTGCACCAGGTTCTAC CAGCGAATCTCCGTCTGGCACTGCACCAGGTACCTCTACCCCTG AAAGCGGTCCXXXXXXXXXXXXXTGCAAGCGCAAGCGGCGCGC CAAGCACGGGAXXXXXXXXXTAGCGAATCTCCTTCTGGTACCGC TCCAGGTTCTACCAGCGAATCCCCGTCTGGTACTGCTCCAGGTT CTACCAGCGAATCTCCTTCTGGTACTGCACCAGGTTCTACTAGC GAATCTCCTTCTGGTACCGCTCCAGGTTCTACCAGCGAATCCCC GTCTGGTACTGCTCCAGGTTCTACCAGCGAATCTCCTTCTGGTA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	STAPGSTSSTAESPGP	CTGCACCAGGTACTTCTACTCCGGAAAGCGGTTCCGCATCTCCA
	GTSPSGESSTAPGTS	GGTACTTCTCCTAGCGGTGAATCTTCTACTGCTCCAGGTACCTC
	TPESGSASPGSTSESP	TCCTAGCGGCGAATCTTCTACTGCTCCAGGTTCTACCAGCTCTA
	SGTAPGSTSESPSGT	CTGCTGAATCTCCGGGTCCAGGTACTTCCCCGAGCGGTGAATCT
	APGTSPSGESSTAPG	TCTACTGCACCAGGTACTTCTACTCCGGAAAGCGGTTCCGCTTC
	STSESPSGTAPGTSTP	TCCAGGTTCTACCAGCGAATCTCCTTCTGGCACCGCTCCAGGTT
	ESGSASPGTSTPESGS	CTACTAGCGAATCCCCGTCTGGTACCGCACCAGGTACTTCTCCT
	ASPGSTSESPSGTAP	AGCGGCGAATCTTCTACCGCACCAGGTTCTACTAGCGAATCCCC
	GTSTPESGSASPGSTS	GTCTGGTACCGCACCAGGTACTTCTACCCCGGAAAGCGGCTCTG
	STAESPGPGSTSESPS	CTTCTCCAGGTACTTCTACCCCGGAAAGCGGCTCCGCATCTCCA
	GTAPGSTSESPSGTA	GGTTCTACTAGCGAATCTCCTTCTGGTACCGCTCCAGGTACTTC
	PGTSPSGESSTAPGST	TACCCCTGAAAGCGGCTCCGCTTCTCCAGGTTCCACTAGCTCTA
	SSTAESPGPGTSPSGE	CCGCTGAATCTCCGGGTCCAGGTTCTACCAGCGAATCTCCTTCT
	SSTAPGTSTPESGSAS	GGCACCGCTCCAGGTTCTACTAGCGAATCCCCGTCTGGTACCGC
	PGTSPSGESSTAPGTS	ACCAGGTACTTCTCCTAGCGGCGAATCTTCTACCGCACCAGGTT
	PSGESSTAPGTSPSGE	CTACCAGCTCTACTGCTGAATCTCCGGGTCCAGGTACTTCCCCG
	SSTAPGSTSSTAESPG	AGCGGTGAATCTTCTACTGCACCAGGTACTTCTACTCCGGAAAG
	PGSTSSTAESPGPGTS	CGGTTCCGCTTCTCCAGGTACCTCCCCTAGCGGCGAATCTTCTA
	PSGESSTAPGSSPSAS	CTGCTCCAGGTACCTCTCCTAGCGGCGAATCTTCTACCGCTCCA
	TGTGPGSSTPSGATG	GGTACCTCCCCTAGCGGTGAATCTTCTACCGCACCAGGTTCTAC
	SPGSSTPSGATGSPG	TAGCTCTACTGCTGAATCTCCGGGTCCAGGTTCTACCAGCTCTA
	FPTIPLSRLFDNAML	CTGCTGAATCTCCTGGTCCAGGTACCTCCCCGAGCGGTGAATCT
	RAHRLHQLAFDTYQ	TCTACTGCACCAGGTTCTAGCCCTTCTGCTTCCACCGGTACCGG
	EFEEAYIPKEQKYSF	CCCAGGTAGCTCTACTCCGTCTGGTGCAACTGGCTCTCCAGGTA
	LQNPQTSLCFSESIPT	GCTCTACTCCGTCTGGTGCAACCGGCTCCCCAGGTTTTCCGACT
	PSNREETQQKSNLEL	ATTCCGCTGTCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCA
	LRISLLLIQSWLEPVQ	CCGTCTGCACCAGCTGGCCTTTGATACTTACCAGGAATTTGAAG
	FLRSVFANSLVYGAS	AAGCcTACATTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAAC
	DSNVYDLLKDLEEGI	CCACAGACTTCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTC
	QTLMGRLEDGSPRT	CAATCGCGAGGAAACTCAGCAAAAGTCCAATCTGGAACTACTC
	GQIFKQTYSKFDTNS	CGCATTTCTCTGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCA
	HNDDALLKNYGLLY	ATTTCTGCGTTCCGTCTTCGCCAATAGCCTAGTTTATGGCGCAT
	CFRKDMDKVETFLRI	CCGACAGCAACGTATACGATCTCCTGAAAGATCTCGAGGAAGG
	VQCRSVEGSCGFGG	CATTCAGACCCTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTA
	TSESATPESGPGSEP	CTGGTCAGATCTTCAAGCAGACTTACTCTAAATTTGATACTAAC
	ATSGSETPGTSESAT	AGCCACAATGACGATGCGCTTCTAAAAAACTATGGTCTGCTGT
	PESGPGSEPATSGSE	ATTGTTTTCGTAAAGATATGGACAAAGTTGAAACCTTCCTGCGT
	TPGTSESATPESGPG	ATTGTTCAGTGTCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGG
	TSTEPSEGSAPGSPA	TGGTACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTAGC
	GSPTSTEEGTSESATP	GAACCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAAAG
	ESGPGSEPATSGSET	CGCAACCCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCTCT
	PGTSESATPESGPGSP	GGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATC
	AGSPTSTEEGSPAGS	TGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCA
	PTSTEEGTSTEPSEGS	GGTAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTACCTC
	APGTSESATPESGPG	TGAAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCGGCA
	TSESATPESGPGTSES	ACCTCCGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCC
	ATPESGPGSEPATSG	TGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCG
	SETPGSEPATSGSETP	AGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGG
	GSPAGSPTSTEEGTS	TACTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTG
	TEPSEGSAPGTSTEPS	AAAGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGC
	EGSAPGSEPATSGSE	TACTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACCCCGG
	TPGTSESATPESGPG	AATCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACC
	TSTEPSEGSAP	CCAGGTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTA
		GCCCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACT
		GAACCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTT
		CTGAGGGCAGCGCTCCAGGTAGCGAACCTGCAACCTCTGGCTC
		TGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCC
		CAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCA
AG864-	GASPGTSSTGSPGSS	GGTGCTTCCCCGGGCACCAGCTCTACTGGTTCTCCAGGTTCTAG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
hGH-AE288	PSASTGTGPGSSPSA	CCCGTCTGCTTCTACTGGTACTGGTCCAGGTTCTAGCCCTTCTGC
	STGTGPGTPGSGTAS	TTCCACTGGTACTGGTCCAGGTACCCCGGGTAGCGGTACCGCTT
	SSPGSSTPSGATGSP	CTTCTTCTCCAGGTAGCTCTACTCCGTCTGGTGCTACCGGCTCTC
	GSNPSASTGTGPGAS	CAGGTTCTAACCCTTCTGCATCCACCGGTACCGGCCCAGGTGCT
	PGTSSTGSPGTPGSG	TCTCCGGGCACCAGCTCTACTGGTTCTCCAGGTACCCCGGGCAG
	TASSSPGSSTPSGAT	CGGTACCGCATCTTCTTCTCCAGGTAGCTCTACTCCTTCTGGTGC
	GSPGTPGSGTASSSP	AACTGGTTCTCCAGGTACTCCTGGCAGCGGTACCGCTTCTTCTT
	GASPGTSSTGSPGAS	CTCCAGGTGCTTCTCCTGGTACTAGCTCTACTGGTTCTCCAGGT
	PGTSSTGSPGTPGSG	GCTTCTCCGGGCACTAGCTCTACTGGTTCTCCAGGTACCCCGGG
	TASSSPGSSTPSGAT	TAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACCCCTTCTGG
	GSPGASPGTSSTGSP	TGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAGCTCTACCG
	GTPGSGTASSSPGSS	GTTCTCCAGGTACCCCGGGTAGCGGTACCGCTTCTTCTTCTCCA
	TPSGATGSPGSNPSA	GGTAGCTCTACTCCGTCTGGTGCTACCGGCTCTCCAGGTTCTAA
	STGTGPGSSPSASTG	CCCTTCTGCATCCACCGGTACCGGCCCAGGTTCTAGCCCTTCTG
	TGPGSSTPSGATGSP	CTTCCACCGGTACTGGCCCAGGTAGCTCTACCCCTTCTGGTGCT
	GSSTPSGATGSPGAS	ACCGGCTCCCCAGGTAGCTCTACTCCTTCTGGTGCAACTGGCTC
	PGTSSTGSPGASPGT	TCCAGGTGCATCTCCGGGCACTAGCTCTACTGGTTCTCCAGGTG
	SSTGSPGASPGTSST	CATCCCCTGGCACTAGCTCTACTGGTTCTCCAGGTGCTTCTCCT
	GSPGTPGSGTASSSP	GGTACCAGCTCTACTGGTTCTCCAGGTACTCCTGGCAGCGGTAC
	GASPGTSSTGSPGAS	CGCTTCTTCTTCTCCAGGTGCTTCTCCTGGTACTAGCTCTACTGG
	PGTSSTGSPGASPGT	TTCTCCAGGTGCTTCTCCGGGCACTAGCTCTACTGGTTCTCCAG
	SSTGSPGSSPSASTGT	GTGCTTCCCCGGGCACTAGCTCTACCGGTTCTCCAGGTTCTAGC
	GPGTPGSGTASSSPG	CCTTCTGCATCTACTGGTACTGGCCCAGGTACTCCGGGCAGCGG
	ASPGTSSTGSPGASP	TACTGCTTCTTCCTCTCCAGGTGCATCTCCGGGCACTAGCTCTA
	GTSSTGSPGASPGTS	CTGGTTCTCCAGGTGCATCCCCTGGCACTAGCTCTACTGGTTCT
	STGSPGSSTPSGATG	CCAGGTGCTTCTCCTGGTACCAGCTCTACTGGTTCTCCAGGTAG
	SPGSSTPSGATGSPG	CTCTACTCCGTCTGGTGCAACCGGTTCCCCAGGTAGCTCTACTC
	ASPGTSSTGSPGTPG	CTTCTGGTGCTACTGGCTCCCCAGGTGCATCCCCTGGCACCAGC
	SGTASSSPGSSTPSG	TCTACCGGTTCTCCAGGTACCCCGGGCAGCGGTACCGCATCTTC
	ATGSPGSSTPSGATG	CTCTCCAGGTAGCTCTACCCCGTCTGGTGCTACCGGTTCCCCAG
	SPGSSTPSGATGSPG	GTAGCTCTACCCCGTCTGGTGCAACCGGCTCCCCAGGTAGCTCT
	SSPSASTGTGPGASP	ACTCCGTCTGGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGC
	GTSSTGSPGASPGTS	TTCCACTGGTACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTA
	STGSPGTPGSGTASS	CTGGTTCTCCAGGTGCATCCCCGGGTACCAGCTCTACCGGTTCT
	SPGASPGTSSTGSPG	CCAGGTACTCCTGGCAGCGGTACTGCATCTTCCTCTCCAGGTGC
	ASPGTSSTGSPGASP	TTCTCCGGGCACCAGCTCTACTGGTTCTCCAGGTGCATCTCCGG
	GTSSTGSPGASPGTS	GCACTAGCTCTACTGGTTCTCCAGGTGCATCCCCTGGCACTAGC
	STGSPGTPGSGTASS	TCTACTGGTTCTCCAGGTGCTTCTCCTGGTACCAGCTCTACTGGT
	SPGSSTPSGATGSPG	TCTCCAGGTACCCCTGGTAGCGGTACTGCTTCTTCCTCTCCAGG
	TPGSGTASSSPGSSTP	TAGCTCTACTCCGTCTGGTGCTACCGGTTCTCCAGGTACCCCGG
	SGATGSPGTPGSGTA	GTAGCGGTACCGCATCTTCTTCTCCAGGTAGCTCTACCCCGTCT
	SSSPGSSTPSGATGSP	GGTGCTACTGGTTCTCCAGGTACTCCGGGCAGCGGTACTGCTTC
	GSSTPSGATGSPGSS	TTCCTCTCCAGGTAGCTCTACCCCTTCTGGTGCTACTGGCTCTCC
	PSASTGTGPGSSPSA	AGGTAGCTCTACCCCGTCTGGTGCTACTGGCTCCCCAGGTTCTA
	STGTGPGASPGTSST	GCCCTTCTGCATCCACCGGTACCGGTCCAGGTTCTAGCCCGTCT
	GSPGTPGSGTASSSP	GCATCTACTGGTACTGGTCCAGGTGCATCCCCGGGCACTAGCTC
	GSSTPSGATGSPGSS	TACCGGTTCTCCAGGTACTCCTGGTAGCGGTACTGCTTCTTCTTC
	PSASTGTGPGSSPSA	TCCAGGTAGCTCTACTCCTTCTGGTGCTACTGGTTCTCCAGGTTC
	STGTGPGASPGTSST	TAGCCCTTCTGCATCCACCGGTACCGGCCCAGGTTCTAGCCCGT
	GSPGASPGTSSTGSP	CTGCTTCTACCGGTACTGGTCCAGGTGCTTCTCCGGGTACTAGC
	GSSTPSGATGSPGSS	TCTACTGGTTCTCCAGGTGCATCTCCTGGTACTAGCTCTACTGG
	PSASTGTGPGASPGT	TTCTCCAGGTAGCTCTACTCCGTCTGGTGCAACCGGCTCTCCAG
	SSTGSPGSSPSASTGT	GTTCTAGCCCTTCTGCATCTACCGGTACTGGTCCAGGTGCATCC
	GPGTPGSGTASSSPG	CCTGGTACCAGCTCTACCGGTTCTCCAGGTTCTAGCCCTTCTGC
	SSTPSGATGSPGSSTP	TTCTACCGGTACCGGTCCAGGTACCCCTGGCAGCGGTACCGCAT
	SGATGSPGASPGTSS	CTTCCTCTCCAGGTAGCTCTACTCCGTCTGGTGCAACCGGTTCC
	TGSPGFPTIPLSRLFD	CCAGGTAGCTCTACTCCTTCTGGTGCTACTGGCTCCCCAGGTGC
	NAMLRAHRLHQLAF	ATCCCCTGGCACCAGCTCTACCGGTTCTCCAGGTTTTCCGACTA
	DTYQEFEEAYIPKEQ	TTCCGCTGTCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCAC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	KYSFLQNPQTSLCFS ESIPTPSNREETQQKS NLELLRISLLLIQSWL EPVQFLRSVFANSLV YGASDSNVYDLLKD LEEGIQTLMGRLEDG SPRTGQIFKQTYSKF DTNSHNDDALLKNY GLLYCFRKDMDKVE TFLRIVQCRSVEGSC GFGGTSESATPESGP GSEPATSGSETPGTS ESATPESGPGSEPAT SGSETPGTSESATPES GPGTSTEPSEGSAPG SPAGSPTSTEEGTSES ATPESGPGSEPATSG SETPGTSESATPESGP GSPAGSPTSTEEGSP AGSPTSTEEGTSTEPS EGSAPGTSESATPES GPGTSESATPESGPG TSESATPESGPGSEP ATSGSETPGSEPATS GSETPGSPAGSPTST EEGTSTEPSEGSAPG TSTEPSEGSAPGSEP ATSGSETPGTSESAT PESGPGTSTEPSEGS AP	CGTCTGCACCAGCTGGCCTTTGATACTTACCAGGAATTTGAAGA AGCcTACATTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAACC CACAGACTTCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTCC AATCGCGAGGAAACTCAGCAAAAGTCCAATCTGGAACTACTCC GCATTTCTCTGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCAA TTTCTGCGTTCCGTCTTCGCCAATAGCCTAGTTTATGGCGCATCC GACAGCAACGTATACGATCTCCTGAAAGATCTCGAGGAAGGCA TTCAGACCCTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTACT GGTCAGATCTTCAAGCAGACTTACTCTAAATTTGATACTAACAG CCACAATGACGATGCGCTTCTAAAAAACTATGGTCTGCTGTATT GTTTTCGTAAAGATATGGACAAAGTTGAAACCTTCCTGCGTATT GTTCAGTGTCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGGTGG TACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTAGCGAA CCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAAAGCGC AACCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCTCTGGC TCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGG CCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCAGGT AGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTACCTCTGA AAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCGGCAACC TCCGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCCTGA GTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAG GAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTA CTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTGAA AGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCTA CTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACCCCCGGAA TCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCC AGGTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGC CCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGA ACCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTG AGGGCAGCGCTCCAGGTAGCGAACCTGCAACCTCTGGCTCTGA AACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCCCA GGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCA
AM875-hGH-AE288	GTSTEPSEGSAPGSE PATSGSETPGSPAGS PTSTEEGSTSSTAESP GPGTSTPESGSASPG STSESPSGTAPGSTSE SPSGTAPGTSTPESGS ASPGTSTPESGSASP GSEPATSGSETPGTS ESATPESGPGSPAGS PTSTEEGTSTEPSEGS APGTSESATPESGPG TSTEPSEGSAPGTSTE PSEGSAPGSPAGSPT STEEGTSTEPSEGSAP GTSTEPSEGSAPGTS ESATPESGPGTSESA TPESGPGTSTEPSEGS APGTSTEPSEGSAPG TSESATPESGPGTSTE PSEGSAPGSEPATSG SETPGSPAGSPTSTEE GSSTPSGATGSPGTP GSGTASSSPGSSTPS GATGSPGTSTEPSEG SAPGTSTEPSEGSAP GSEPATSGSETPGSP AGSPTSTEEGSPAGS	GGTACTTCTACTGAACCGTCTGAAGGCAGCGCACCAGGTAGCG AACCGGCTACTTCCGGTTCTGAAACCCCAGGTAGCCCAGCAGG TTCTCCAACTTCTACTGAAGAAGGTTCTACCAGCTCTACCGCAG AATCTCCTGGTCCAGGTACCTCTACTCCGGAAAGCGGCTCTGCA TCTCCAGGTTCTACTAGCGAATCTCCTTCTGGCACTGCACCAGG TTCTACTAGCGAATCCCCGTCTGGTACTGCTCCAGGTACTTCTA CTCCTGAAAGCGGTTCCGCTTCTCCAGGTACCTCTACTCCGGAA AGCGGTTCTGCATCTCCAGGTAGCGAACCGGCAACCTCCGGCT CTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCCGG CCCAGGTAGCCCGGCAGGTTCTCCGACTTCCACTGAGGAAGGT ACCTCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGA AAGCGCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGT CCGAAGGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGG TAGCGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAG GAAGGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTA CTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTGAA AGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCTA CTCCTGAATCCGGTCCAGGTACCTCTACTGAACCTTCCGAAGGC AGCGCTCCAGGTACCTCTACCGAACCGTCCGAGGGCAGCGCAC CAGGTACTTCTGAAAGCGCAACCCCTGAATCCGGTCCAGGTAC TTCTACTGAACCTTCCGAAGGTAGCGCTCCAGGTAGCGAACCTG CTACTTCTGGTTCTGAAACCCCAGGTAGCCCGGCTGGCTCTCCG ACCTCCACCGAGGAAGGTAGCTCTACCCCGTCTGGTGCTACTGG TTCTCCAGGTACTCCGGGCAGCGGTACTGCTTCTTCCTCTCCAG GTAGCTCTACCCCTTCTGGTGCTACTGGCTCTCCAGGTACCTCT ACCGAACCGTCCGAGGGTAGCGCACCAGGTACCTCTACTGAAC CGTCTGAGGGTAGCGCTCCAGGTAGCGAACCGGCAACCTCCGG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	PTSTEEGTSTEPSEGS	TTCTGAAACTCCAGGTAGCCCTGCTGGCTCTCCGACTTCTACTG
	APGASASGAPSTGGT	AGGAAGGTAGCCCGGCTGGTTCTCCGACTTCTACTGAGGAAGG
	SESATPESGPGSPAG	TACTTCTACCGAACCTTCCGAAGGTAGCGCTCCAGGTGCAAGC
	SPTSTEEGSPAGSPTS	GCAAGCGGCGCGCCAAGCACGGGAGGTACTTCTGAAAGCGCTA
	TEEGSTSSTAESPGP	CTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCC
	GSTSESPSGTAPGTSP	ACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAG
	SGESSTAPGTPGSGT	AAGGTTCTACCAGCTCTACCGCTGAATCTCCTGGCCCAGGTTCT
	ASSSPGSSTPSGATG	ACTAGCGAATCTCCGTCTGGCACCGCACCAGGTACTTCCCCTAG
	SPGSSPSASTGTGPG	CGGTGAATCTTCTACTGCACCAGGTACCCCTGGCAGCGGTACCG
	SEPATSGSETPGTSES	CTTCTTCCTCTCCAGGTAGCTCTACCCCGTCTGGTGCTACTGGCT
	ATPESGPGSEPATSG	CTCCAGGTTCTAGCCCGTCTGCATCTACCGGTACCGGCCCAGGT
	SETPGSTSSTAESPGP	AGCGAACCGGCAACCTCCGGCTCTGAAACTCCAGGTACTTCTG
	GSTSSTAESPGPGTSP	AAAGCGCTACTCCGGAATCCGGCCCAGGTAGCGAACCGGCTAC
	SGESSTAPGSEPATS	TTCCGGCTCTGAAACCCCAGGTTCCACCAGCTCTACTGCAGAAT
	GSETPGSEPATSGSE	CTCCGGGCCCAGGTTCTACTAGCTCTACTGCAGAATCTCCGGGT
	TPGTSTEPSEGSAPG	CCAGGTACTTCTCCTAGCGGCGAATCTTCTACCGCTCCAGGTAG
	STSSTAESPGPGTSTP	CGAACCGGCAACCTCTGGCTCTGAAACTCCAGGTAGCGAACCT
	ESGSASPGSTSESPSG	GCAACCTCCGGCTCTGAAACCCCAGGTACTTCTACTGAACCTTC
	TAPGTSTEPSEGSAP	TGAGGGCAGCGCACCAGGTTCTACCAGCTCTACCGCAGAATCT
	GTSTEPSEGSAPGTS	CCTGGTCCAGGTACCTCTACTCCGGAAAGCGGCTCTGCATCTCC
	TEPSEGSAPGSSTPSG	AGGTTCTACTAGCGAATCTCCTTCTGGCACTGCACCAGGTACTT
	ATGSPGSSPSASTGT	CTACCGAACCGTCCGAAGGCAGCGCTCCAGGTACCTCTACTGA
	GPGASPGTSSTGSPG	ACCTTCCGAGGGCAGCGCTCCAGGTACCTCTACCGAACCTTCTG
	SEPATSGSETPGTSES	AAGGTAGCGCACCAGGTAGCTCTACTCCGTCTGGTGCAACCGG
	ATPESGPGSPAGSPT	CTCCCCAGGTTCTAGCCCGTCTGCTTCCACTGGTACTGGCCCAG
	STEEGSSTPSGATGS	GTGCTTCCCCGGGCACCAGCTCTACTGGTTCTCCAGGTAGCGAA
	PGSSPSASTGTGPGA	CCTGCTACCTCCGGTTCTGAAACCCCAGGTACCTCTGAAAGCGC
	SPGTSSTGSPGTSESA	AACTCCGGAGTCTGGTCCAGGTAGCCCTGCAGGTTCTCCTACCT
	TPESGPGTSTEPSEGS	CCACTGAGGAAGGTAGCTCTACTCCGTCTGGTGCAACCGGCTCC
	APGTSTEPSEGSAPG	CCAGGTTCTAGCCCGTCTGCTTCCACTGGTACTGGCCCAGGTGC
	FPTIPLSRLFDNAML	TTCCCCGGGCACCAGCTCTACTGGTTCTCCAGGTACCTCTGAAA
	RAHRLHQLAFDTYQ	GCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAACCGTCT
	EFEEAYIPKEQKYSF	GAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAAGGTA
	LQNPQTSLCFSESIPT	GCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTTGAT
	PSNREETQQKSNLEL	AATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTTTGA
	LRISLLLIQSWLEPVQ	TACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGCAGA
	FLRSVFANSLVYGAS	AGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTCAGC
	DSNVYDLLKDLEEGI	GAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGCAAA
	QTLMGRLEDGSPRT	AGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATTCAG
	GQIFKQTYSKFDTNS	AGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGCCAA
	HNDDALLKNYGLLY	TAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGATCTCC
	CFRKDMDKVETFLRI	TGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTCGTCT
	VQCRSVEGSCGFGG	CGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAGACTT
	TSESATPESGPGSEP	ACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCTTCTA
	ATSGSETPGTSESAT	AAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGGACAA
	PESGPGSEPATSGSE	AGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTTGAGG
	TPGTSESATPESGPG	GCAGCTGTGGTTTCTAAGGTGGTACCTCTGAAAGCGCAACTCCT
	TSTEPSEGSAPGSPA	GAGTCTGGCCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGA
	GSPTSTEEGTSESATP	CTCCAGGTACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGG
	ESGPGSEPATSGSET	TAGCGAACCTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTG
	PGTSESATPESGPGSP	AAAGCGCTACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCG
	AGSPTSTEEGSPAGS	TCCGAGGGCAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCT
	PTSTEEGTSTEPSEGS	CCACCGAAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGG
	APGTSESATPESGPG	CCCAGGTAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGT
	TSESATPESGPGTSES	ACTTCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGG
	ATPESGPGSEPATSG	CTGGCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCT
	SETPGSEPATSGSETP	CCAACTTCTACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGG
	GSPAGSPTSTEEGTS	CAGCGCACCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGC
	TEPSEGSAPGTSTEPS	CCAGGTACTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTAC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	EGSAPGSEPATSGSE TPGTSESATPESGPG TSTEPSEGSAP	TTCTGAAAGCGCTACCCCGGAATCTGGCCCAGGTAGCGAACCG GCTACTTCTGGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTC CGGTTCTGAAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCA CTGAGGAAGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACC AGGTACCTCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGC GAACCTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAA GCGCTACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCC GAGGGCAGCGCACCA
AE912-hGH-AE288	MAEPAGSPTSTEEGT PGSGTASSSPGSSTPS GATGSPGASPGTSST GSPGSPAGSPTSTEE GTSESATPESGPGTS TEPSEGSAPGSPAGS PTSTEEGTSTEPSEGS APGTSTEPSEGSAPG TSESATPESGPGSEP ATSGSETPGSEPATS GSETPGSPAGSPTST EEGTSESATPESGPG TSTEPSEGSAPGTSTE PSEGSAPGSPAGSPT STEEGTSTEPSEGSAP GTSTEPSEGSAPGTS ESATPESGPGTSTEPS EGSAPGTSESATPES GPGSEPATSGSETPG TSTEPSEGSAPGTSTE PSEGSAPGTSESATP ESGPGTSESATPESG PGSPAGSPTSTEEGT SESATPESGPGSEPA TSGSETPGTSESATPE SGPGTSTEPSEGSAP GTSTEPSEGSAPGTS TEPSEGSAPGTSTEPS EGSAPGTSTEPSEGS APGTSTEPSEGSAPG SPAGSPTSTEEGTSTE PSEGSAPGTSESATP ESGPGSEPATSGSET PGTSESATPESGPGS EPATSGSETPGTSES ATPESGPGTSTEPSE GSAPGTSESATPESG PGSPAGSPTSTEEGSP AGSPTSTEEGSPAGS PTSTEEGTSESATPES GPGTSTEPSEGSAPG TSESATPESGPGSEP ATSGSETPGTSESAT PESGPGSEPATSGSE TPGTSESATPESGPG TSTEPSEGSAPGSPA GSPTSTEEGTSESATP ESGPGSEPATSGSET PGTSESATPESGPGSP AGSPTSTEEGSPAGS PTSTEEGTSTEPSEGS	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG GCAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG CAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAA GAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTA GCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	APGTSESATPESGPG	AAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTC
	TSESATPESGPGTSES	CGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCT
	ATPESGPGSEPATSG	ACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCAC
	SETPGSEPATSGSETP	CAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACT
	GSPAGSPTSTEEGTS	TCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAG
	TEPSEGSAPGTSTEPS	CGCTACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCT
	EGSAPGSEPATSGSE	GGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTG
	TPGTSESATPESGPG	AAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGA
	TSTEPSEGSAPGFPTI	AGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACC
	PLSRLFDNAMLRAH	TCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTG
	RLHQLAFDTYQEFEE	CAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACT
	AYIPKEQKYSFLQNP	CCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCA
	QTSLCFSESIPTPSNR	GCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTTGAT
	EETQQKSNLELLRIS	AATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTTTGA
	LLLIQSWLEPVQFLR	TACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGCAGA
	SVFANSLVYGASDS	AGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTCAGC
	NVYDLLKDLEEGIQT	GAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGCAAA
	LMGRLEDGSPRTGQI	AGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATTCAG
	FKQTYSKFDTNSHN	AGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGCCAA
	DDALLKNYGLLYCF	TAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGATCTCC
	RKDMDKVETFLRIV	TGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTCGTCT
	QCRSVEGSCGFGGTS	CGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAGACTT
	ESATPESGPGSEPAT	ACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCTTCTA
	SGSETPGTSESATPES	AAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGGACAA
	GPGSEPATSGSETPG	AGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTTGAGG
	TSESATPESGPGTSTE	GCAGCTGTGGTTTCTAAGGTGGTACCTCTGAAAGCGCAACTCCT
	PSEGSAPGSPAGSPT	GAGTCTGGCCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGA
	STEEGTSESATPESGP	CTCCAGGTACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGG
	GSEPATSGSETPGTS	TAGCGAACCTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTG
	ESATPESGPGSPAGS	AAAGCGCTACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCG
	PTSTEEGSPAGSPTST	TCCGAGGGCAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCT
	EEGTSTEPSEGSAPG	CCACCGAAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGG
	TSESATPESGPGTSES	CCCAGGTAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGT
	ATPESGPGTSESATP	ACTTCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGG
	ESGPGSEPATSGSET	CTGGCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCT
	PGSEPATSGSETPGSP	CCAACTTCTACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGG
	AGSPTSTEEGTSTEPS	CAGCGCACCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGC
	EGSAPGTSTEPSEGS	CCAGGTACTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTAC
	APGSEPATSGSETPG	TTCTGAAAGCGCTACCCCGGAATCTGGCCCAGGTAGCGAACCG
	TSESATPESGPGTSTE	GCTACTTCTGGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTC
	PSEGSAP	CGGTTCTGAAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCA
		CTGAGGAAGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACC
		AGGTACCTCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGC
		GAACCTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAA
		GCGCTACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCC
		GAGGGCAGCGCACCA
AM923-hGH-AE288	MAEPAGSPTSTEEGA	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTG
	SPGTSSTGSPGSSTPS	CATCCCCGGGCACCAGCTCTACCGGTTCTCCAGGTAGCTCTACC
	GATGSPGSSTPSGAT	CCGTCTGGTGCTACCGGCTCTCCAGGTAGCTCTACCCCGTCTGG
	GSPGTSTEPSEGSAP	TGCTACTGGCTCTCCAGGTACTTCTACTGAACCGTCTGAAGGCA
	GSEPATSGSETPGSP	GCGCACCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAACCCC
	AGSPTSTEEGSTSST	AGGTAGCCCAGCAGGTTCTCCAACTTCTACTGAAGAAGGTTCTA
	AESPGPGTSTPESGS	CCAGCTCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCG
	ASPGSTSESPSGTAP	GAAAGCGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTC
	GSTSESPSGTAPGTS	TGGCACTGCACCAGGTTCTACTAGCGAATCCCCGTCTGGTACTG
	TPESGSASPGTSTPES	CTCCAGGTACTTCTACTCCTGAAAGCGGTTCCGCTTCTCCAGGT
	GSASPGSEPATSGSE	ACCTCTACTCCGGAAAGCGGTTCTGCATCTCCAGGTAGCGAACC
	TPGTSESATPESGPG	GGCAACCTCCGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	SPAGSPTSTEEGTSTE	ACTCCTGAATCCGGCCCAGGTAGCCCGGCAGGTTCTCCGACTTC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	PSEGSAPGTSESATP	CACTGAGGAAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCT
	ESGPGTSTEPSEGSA	CCAGGTACTTCTGAAAGCGCTACCCCGGAGTCCGGTCCAGGTA
	PGTSTEPSEGSAPGSP	CTTCTACTGAACCGTCCGAAGGTAGCGCACCAGGTACTTCTACC
	AGSPTSTEEGTSTEPS	GAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCTC
	EGSAPGTSTEPSEGS	CTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGGG
	APGTSESATPESGPG	TAGCGCACCAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCA
	TSESATPESGPGTSTE	CCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTA
	PSEGSAPGTSTEPSE	CTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACCTCTACT
	GSAPGTSESATPESG	GAACCTTCCGAAGGCAGCGCTCCAGGTACCTCTACCGAACCGT
	PGTSTEPSEGSAPGS	CCGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGA
	EPATSGSETPGSPAG	ATCCGGTCCAGGTACTTCTACTGAACCTTCCGAAGGTAGCGCTC
	SPTSTEEGSSTPSGAT	CAGGTAGCGAACCTGCTACTTCTGGTTCTGAAACCCCAGGTAGC
	GSPGTPGSGTASSSP	CCGGCTGGCTCTCCGACCTCCACCGAGGAAGGTAGCTCTACCCC
	GSSTPSGATGSPGTS	GTCTGGTGCTACTGGTTCTCCAGGTACTCCGGGCAGCGGTACTG
	TEPSEGSAPGTSTEPS	CTTCTTCCTCTCCAGGTAGCTCTACCCCTTCTGGTGCTACTGGCT
	EGSAPGSEPATSGSE	CTCCAGGTACCTCTACCGAACCGTCCGAGGGTAGCGCACCAGG
	TPGSPAGSPTSTEEG	TACCTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTAGCGAA
	SPAGSPTSTEEGTSTE	CCGGCAACCTCCGGTTCTGAAACTCCAGGTAGCCCTGCTGGCTC
	PSEGSAPGASASGAP	TCCGACTTCTACTGAGGAAGGTAGCCCGGCTGGTTCTCCGACTT
	STGGTSESATPESGP	CTACTGAGGAAGGTACTTCTACCGAACCTTCCGAAGGTAGCGC
	GSPAGSPTSTEEGSP	TCCAGGTGCAAGCGCAAGCGGCGCGCCAAGCACGGGAGGTACT
	AGSPTSTEEGSTSST	TCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTG
	AESPGPGSTSESPSGT	GCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCA
	APGTSPSGESSTAPG	ACTTCTACTGAAGAAGGTTCTACCAGCTCTACCGCTGAATCTCC
	TPGSGTASSSPGSSTP	TGGCCCAGGTTCTACTAGCGAATCTCCGTCTGGCACCGCACCAG
	SGATGSPGSSPSAST	GTACTTCCCCTAGCGGTGAATCTTCTACTGCACCAGGTACCCCT
	GTGPGSEPATSGSET	GGCAGCGGTACCGCTTCTTCCTCTCCAGGTAGCTCTACCCCGTC
	PGTSESATPESGPGS	TGGTGCTACTGGCTCTCCAGGTTCTAGCCCGTCTGCATCTACCG
	EPATSGSETPGSTSST	GTACCGGCCCAGGTAGCGAACCGGCAACCTCCGGCTCTGAAAC
	AESPGPGSTSSTAESP	TCCAGGTACTTCTGAAAGCGCTACTCCGGAATCCGGCCCAGGT
	GPGTSPSGESSTAPG	AGCGAACCGGCTACTTCCGGCTCTGAAACCCCAGGTTCCACCA
	SEPATSGSETPGSEP	GCTCTACTGCAGAATCTCCGGGCCCAGGTTCTACTAGCTCTACT
	ATSGSETPGTSTEPSE	GCAGAATCTCCGGGTCCAGGTACTTCTCCTAGCGGCGAATCTTC
	GSAPGSTSSTAESPG	TACCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACT
	PGTSTPESGSASPGST	CCAGGTAGCGAACCTGCAACCTCCGGCTCTGAAACCCCAGGTA
	SESPSGTAPGTSTEPS	CTTCTACTGAACCTTCTGAGGGCAGCGCACCAGGTTCTACCAGC
	EGSAPGTSTEPSEGS	TCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCGGAAAG
	APGTSTEPSEGSAPG	CGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTCTGGCA
	SSTPSGATGSPGSSPS	CTGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCGCTCC
	ASTGTGPGASPGTSS	AGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGTACCT
	TGSPGSEPATSGSET	CTACCGAACCTTCTGAAGGTAGCGCACCAGGTAGCTCTACTCCG
	PGTSESATPESGPGSP	TCTGGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCAC
	AGSPTSTEEGSSTPS	TGGTACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTT
	GATGSPGSSPSASTG	CTCCAGGTAGCGAACCTGCTACCTCCGGTTCTGAAACCCCAGGT
	TGPGASPGTSSTGSP	ACCTCTGAAAGCGCAACTCCGGAGTCTGGTCCAGGTAGCCCTG
	GTSESATPESGPGTS	CAGGTTCTCCTACCTCCACTGAGGAAGGTAGCTCTACTCCGTCT
	TEPSEGSAPGTSTEPS	GGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCACTGG
	EGSAPGFPTIPLSRLF	TACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTTCTC
	DNAMLRAHRLHQL	CAGGTACCTCTGAAAGCGCTACTCCGGAGTCTGGCCCAGGTAC
	AFDTYQEFEEAYIPK	CTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTACTTCTACTG
	EQKYSFLQNPQTSLC	AACCGTCCGAAGGTAGCGCACCAGGTTTTCCGACTATTCCGCTG
	FSESIPTPSNREETQQ	TCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCACCGTCTGCA
	KSNLELLRISLLLIQS	CCAGCTGGCCTTTGATACTTACCAGGAATTTGAAGAAGCCTACA
	WLEPVQFLRSVFAN	TTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAACCCACAGACT
	SLVYGASDSNVYDL	TCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTCCAATCGCGA
	LKDLEEGIQTLMGRL	GGAAACTCAGCAAAAGTCCAATCTGGAACTACTCCGCATTTCTC
	EDGSPRTGQIFKQTY	TGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCAATTTCTGCGT
	SKFDTNSHNDDALL	TCCGTCTTCGCCAATAGCCTAGTTTATGGCGCATCCGACAGCAA
	KNYGLLYCFRKDMD	CGTATACGATCTCCTGAAAGATCTCGAGGAAGGCATTCAGACC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	KVETFLRIVQCRSVE GSCGFGGTSESATPE SGPGSEPATSGSETP GTSESATPESGPGSE PATSGSETPGTSESA TPESGPGTSTEPSEGS APGSPAGSPTSTEEG TSESATPESGPGSEP ATSGSETPGTSESAT PESGPGSPAGSPTSTE EGSPAGSPTSTEEGT STEPSEGSAPGTSES ATPESGPGTSESATP ESGPGTSESATPESG PGSEPATSGSETPGS EPATSGSETPGSPAG SPTSTEEGTSTEPSEG SAPGTSTEPSEGSAP GSEPATSGSETPGTS ESATPESGPGTSTEPS EGSAP	CTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTACTGGTCAGAT CTTCAAGCAGACTTACTCTAAATTTGATACTAACAGCCACAATG ACGATGCGCTTCTAAAAAACTATGGTCTGCTGTATTGTTTTCGT AAAGATATGGACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTG TCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGGTGGTACCTCTG AAAGCGCAACTCCTGAGTCTGGCCCAGGTAGCGAACCTGCTAC CTCCGGCTCTGAGACTCCAGGTACCTCTGAAAGCGCAACCCCG GAATCTGGTCCAGGTAGCGAACCTGCAACCTCTGGCTCTGAAA CCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGT ACTTCTACTGAACCGTCCGAGGGCAGCGCACCAGGTAGCCCTG CTGGCTCTCCAACCTCCACCGAAGAAGGTACCTCTGAAAGCGC AACCCCTGAATCCGGCCCAGGTAGCGAACCGGCAACCTCCGGT TCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGG CCCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGT AGCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTACTTCTAC CGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCT ACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCTACTCCTGA ATCCGGTCCAGGTACTTCTGAAAGCGCTACCCCCGGAATCTGGCC CAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAGGTAG CGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCCAGCA GGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAACCTTC CGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGAGGGC AGCGCTCCAGGTAGCGAACCTGCAACCTCTGGCTCTGAAACCC CAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGTACT TCTACTGAACCGTCCGAGGGCAGCGCACCA
AM1318-hGH-AE288	GTSTEPSEGSAPGSE PATSGSETPGSPAGS PTSTEEGSTSSTAESP GPGTSTPESGSASPG STSESPSGTAPGSTSE SPSGTAPGTSTPESGS ASPGTSTPESGSASP GSEPATSGSETPGTS ESATPESGPGSPAGS PTSTEEGTSTEPSEGS APGTSESATPESGPG TSTEPSEGSAPGTSTE PSEGSAPGSPAGSPT STEEGTSTEPSEGSAP GTSTEPSEGSAPGTS ESATPESGPGTSESA TPESGPGTSTEPSEGS APGTSTEPSEGSAPG TSESATPESGPGTSTE PSEGSAPGSEPATSG SETPGSPAGSPTSTEE GSSTPSGATGSPGTP GSGTASSSPGSSTPS GATGSPGTSTEPSEG SAPGTSTEPSEGSAP GSEPATSGSETPGSP AGSPTSTEEGSPAGS PTSTEEGTSTEPSEGS APGPEPTGPAPSGGS EPATSGSETPGTSES ATPESGPGSPAGSPT STEEGTSESATPESGP GSPAGSPTSTEEGSP AGSPTSTEEGTSESA	GGTACTTCTACTGAACCGTCTGAAGGCAGCGCACCAGGTAGCG AACCGGCTACTTCCGGTTCTGAAACCCCAGGTAGCCCAGCAGG TTCTCCAACTTCTACTGAAGAAGGTTCTACCAGCTCTACCGCAG AATCTCCTGGTCCAGGTACCTCTACTCCGGAAAGCGGCTCTGCA TCTCCAGGTTCTACTAGCGAATCTCCTTCTGGCACTGCACCAGG TTCTACTAGCGAATCCCCGTCTGGTACTGCTCCAGGTACTTCTA CTCCTGAAAGCGGTTCCGCTTCTCCAGGTACCTCTACTCCGGAA AGCGGTTCTGCATCTCCAGGTAGCGAACCGGCAACCTCCGGCT CTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCCGG CCCAGGTAGCCCGGCAGGTTCTCCGACTTCCACTGAGGAAGGT ACCTCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGA AAGCGCTACCCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGT CCGAAGGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGG TAGCGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAG GAAGGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTA CTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTGAA AGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCTA CTCCTGAATCCGGTCCAGGTACCTCTACTGAACCTTCCGAAGGC AGCGCTCCAGGTACCTCTACCGAACCGTCCGAGGGCAGCGCAC CAGGTACTTCTGAAAGCGCAACCCCTGAATCCGGTCCAGGTAC TTCTACTGAACCTTCCGAAGGTAGCGCTCCAGGTAGCGAACCTG CTACTTCTGGTTCTGAAACCCCAGGTAGCCCGGCTGGCTCTCCG ACCTCCACCGAGGAAGGTAGCTCTACCCCGTCTGGTGCTACTGG TTCTCCAGGTACTCCGGGCAGCGGTACTGCTTCTTCCTCTCCAG GTAGCTCTACCCCTTCTGGTGCTACTGGCTCTCCAGGTACCTCT ACCGAACCGTCCGAGGGTAGCGCACCAGGTACCTCTACTGAAC CGTCTGAGGGTAGCGCTCCAGGTAGCGAACCGGCAACCTCCGG TTCTGAAACTCCAGGTAGCCCTGCTGGCTCTCCGACTTCTACTG AGGAAGGTAGCCCGGCTGGTTCTCCGACTTCTACTGAGGAAGG TACTTCTACCGAACCTTCCGAAGGTAGCGCTCCAGGTCCAGAAC CAACGGGGCCGGCCCCAAGCGGAGGTAGCGAACCGGCAACCTC CGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAAT CCGGCCCAGGTAGCCCGGCAGGTTCTCCGACTTCCACTGAGGA AGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGC

GHXTEN Name*	*Amino Acid Sequence*	DNA Nucleotide Sequence
	TPESGPGSPAGSPTST	CCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTG
	EEGSPAGSPTSTEEG	GCTCTCCAACTTCTACTGAAGAAGGTACTTCTGAAAGCGCTACT
	STSSTAESPGPGSTSE	CCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCAC
	SPSGTAPGTSPSGESS	CGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGAA
	TAPGSTSESPSGTAP	GGTTCTACCAGCTCTACCGCTGAATCTCCTGGCCCAGGTTCTAC
	GSTSESPSGTAPGTSP	TAGCGAATCTCCGTCTGGCACCGCACCAGGTACTTCCCCTAGCG
	SGESSTAPGTSTEPSE	GTGAATCTTCTACTGCACCAGGTTCTACCAGCGAATCTCCTTCT
	GSAPGTSESATPESG	GGCACCGCTCCAGGTTCTACTAGCGAATCCCCGTCTGGTACCGC
	PGTSESATPESGPGS	ACCAGGTACTTCTCCTAGCGGCGAATCTTCTACCGCACCAGGTA
	EPATSGSETPGTSES	CTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTGAA
	ATPESGPGTSESATP	AGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCTA
	ESGPGTSTEPSEGSA	CTCCTGAATCCGGTCCAGGTAGCGAACCGGCAACCTCTGGCTCT
	PGTSESATPESGPGT	GAAACCCCAGGTACCTCTGAAAGCGCTACTCCGGAATCTGGTC
	STEPSEGSAPGTSPSG	CAGGTACTTCTGAAAGCGCTACTCCGGAATCCGGTCCAGGTAC
	ESSTAPGTSPSGESST	CTCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAA
	APGTSPSGESSTAPG	GCGCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCC
	TSTEPSEGSAPGSPA	GAAGGTAGCGCACCAGGTACCTCCCCTAGCGGCGAATCTTCTA
	GSPTSTEEGTSTEPSE	CTGCTCCAGGTACCTCTCCTAGCGGCGAATCTTCTACCGCTCCA
	GSAPGSSPSASTGTG	GGTACCTCCCCTAGCGGTGAATCTTCTACCGCACCAGGTACTTC
	PGSSTPSGATGSPGS	TACCGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGT
	STPSGATGSPGSSTPS	TCTCCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGA
	GATGSPGSSTPSGAT	GGGTAGCGCACCAGGTTCTAGCCCTTCTGCTTCCACCGGTACCG
	GSPGASPGTSSTGSP	GCCCAGGTAGCTCTACTCCGTCTGGTGCAACTGGCTCTCCAGGT
	GASASGAPSTGGTSP	AGCTCTACTCCGTCTGGTGCAACCGGCTCCCCAGGTAGCTCTAC
	SGESSTAPGSTSSTA	CCCGTCTGGTGCTACCGGCTCTCCAGGTAGCTCTACCCCGTCTG
	ESPGPGTSPSGESSTA	GTGCAACCGGCTCCCCAGGTGCATCCCCGGGTACTAGCTCTACC
	PGTSESATPESGPGT	GGTTCTCCAGGTGCAAGCGCAAGCGGCGCGCCAAGCACGGGAG
	STEPSEGSAPGTSTEP	GTACTTCTCCGAGCGGTGAATCTTCTACCGCACCAGGTTCTACT
	SEGSAPGSSPSASTG	AGCTCTACCGCTGAATCTCCGGGCCCAGGTACTTCTCCGAGCGG
	TGPGSSTPSGATGSP	TGAATCTTCTACTGCTCCAGGTACCTCTGAAAGCGCTACTCCGG
	GASPGTSSTGSPGTS	AGTCTGGCCCAGGTACCTCTACTGAACCGTCTGAGGGTAGCGCT
	TPESGSASPGTSPSGE	CCAGGTACTTCTACTGAACCGTCCGAAGGTAGCGCACCAGGTT
	SSTAPGTSPSGESSTA	CTAGCCCTTCTGCATCTACTGGTACTGGCCCAGGTAGCTCTACT
	PGTSESATPESGPGS	CCTTCTGGTGCTACCGGCTCTCCAGGTGCTTCTCCGGGTACTAG
	EPATSGSETPGTSTEP	CTCTACCGGTTCTCCAGGTACTTCTACTCCGGAAAGCGGTTCCG
	SEGSAPGSTSESPSGT	CATCTCCAGGTACTTCTCCTAGCGGTGAATCTTCTACTGCTCCA
	APGSTSESPSGTAPG	GGTACCTCTCCTAGCGGCGAATCTTCTACTGCTCCAGGTACTTC
	TSTPESGSASPGSPA	TGAAAGCGCAACCCCTGAATCCGGTCCAGGTAGCGAACCGGCT
	GSPTSTEEGTSESATP	ACTTCTGGCTCTGAGACTCCAGGTACTTCTACCGAACCGTCCGA
	ESGPGTSTEPSEGSA	AGGTAGCGCACCAGGTTCTACCAGCGAATCCCCTTCTGGTACTG
	PGSPAGSPTSTEEGT	CTCCAGGTTCTACCAGCGAATCCCCTTCTGGCACCGCACCAGGT
	SESATPESGPGSEPA	ACTTCTACCCCTGAAAGCGGCTCCGCTTCTCCAGGTAGCCCGGC
	TSGSETPGSSTPSGA	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	TGSPGASPGTSSTGS	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	PGSSTPSGATGSPGS	GCAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGA
	TSESPSGTAPGTSPSG	AGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGT
	ESSTAPGSTSSTAESP	AGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTAGCTCTA
	GPGSSTPSGATGSPG	CCCCGTCTGGTGCTACCGGTTCCCCAGGTGCTTCTCCTGGTACT
	ASPGTSSTGSPGTPG	AGCTCTACCGGTTCTCCAGGTAGCTCTACCCCGTCTGGTGCTAC
	SGTASSSPGSPAGSP	TGGCTCTCCAGGTTCTACTAGCGAATCCCCGTCTGGTACTGCTC
	TSTEEGSPAGSPTSTE	CAGGTACTTCCCCTAGCGGTGAATCTTCTACTGCTCCAGGTTCT
	EGTSTEPSEGSAPGF	ACCAGCTCTACCGCAGAATCTCCGGGTCCAGGTAGCTCTACCCC
	PTIPLSRLFDNAMLR	TTCTGGTGCAACCGGCTCTCCAGGTGCATCCCCGGGTACCAGCT
	AHRLHQLAFDTYQE	CTACCGGTTCTCCAGGTACTCCGGGTAGCGGTACCGCTTCTTCC
	FEEAYIPKEQKYSFL	TCTCCAGGTAGCCCTGCTGGCTCTCCGACTTCTACTGAGGAAGG
	QNPQTSLCFSESIPTP	TAGCCCGGCTGGTTCTCCGACTTCTACTGAGGAAGGTACTTCTA
	SNREETQQKSNLELL	CCGAACCTTCCGAAGGTAGCGCTCCAGGTTTTCCGACTATTCCG
	RISLLLIQSWLEPVQF	CTGTCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCACCGTCT
	LRSVFANSLVYGAS	GCACCAGCTGGCCTTTGATACTTACCAGGAATTTGAAGAAGCcT

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	DSNVYDLLKDLEEGI	ACATTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAACCCACA
	QTLMGRLEDGSPRT	GACTTCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTCCAATC
	GQIFKQTYSKFDTNS	GCGAGGAAACTCAGCAAAAGTCCAATCTGGAACTACTCCGCAT
	HNDDALLKNYGLLY	TTCTCTGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCAATTTC
	CFRKDMDKVETFLRI	TGCGTTCCGTCTTCGCCAATAGCCTAGTTTATGGCGCATCCGAC
	VQCRSVEGSCGFGG	AGCAACGTATACGATCTCCTGAAAGATCTCGAGGAAGGCATTC
	TSESATPESGPGSEP	AGACCCTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTACTGGT
	ATSGSETPGTSESAT	CAGATCTTCAAGCAGACTTACTCTAAATTTGATACTAACAGCCA
	PESGPGSEPATSGSE	CAATGACGATGCGCTTCTAAAAAACTATGGTCTGCTGTATTGTT
	TPGTSESATPESGPG	TTCGTAAAGATATGGACAAAGTTGAAACCTTCCTGCGTATTGTT
	TSTEPSEGSAPGSPA	CAGTGTCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGGTGGTAC
	GSPTSTEEGTSESATP	CTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTAGCGAACCT
	ESGPGSEPATSGSET	GCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAAAGCGCAA
	PGTSESATPESGPGSP	CCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCTCTGGCTCT
	AGSPTSTEEGSPAGS	GAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCC
	PTSTEEGTSTEPSEGS	CAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCAGGTAG
	APGTSESATPESGPG	CCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTACCTCTGAAA
	TSESATPESGPGTSES	GCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCGGCAACCTC
	ATPESGPGSEPATSG	CGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCCTGAGT
	SETPGSEPATSGSETP	CCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGA
	GSPAGSPTSTEEGTS	AGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTACTT
	TEPSEGSAPGTSTEPS	CTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTGAAAG
	EGSAPGSEPATSGSE	CGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCTACTC
	TPGTSESATPESGPG	CTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT
	TSTEPSEGSAP	GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG
		GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC
		AGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAAC
		CTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGAG
		GGCAGCGCTCCAGGTAGCGAACCTGCAACCTCTGGCTCTGAAA
		CCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCCCAGGT
		ACTTCTACTGAACCGTCCGAGGGCAGCGCACCA

* Sequence name reflects N- to C-terminus configuration of the growth factor and XTEN components

Table 37: Exemplary GHXTEN comprising growth hormones, XTEN and cleavage sequences

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
AE912-hGH-Thrombin-AE144	MAEPAGSPTSTEEGT	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA
	PGSGTASSSPGSSTPS	CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC
	GATGSPGASPGTSST	CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG
	GSPGSPAGSPTSTEE	CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA
	GTSESATPESGPGTS	CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA
	TEPSEGSAPGSPAGS	GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC
	PTSTEEGTSTEPSEGS	CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA
	APGTSTEPSEGSAPG	CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA
	TSESATPESGPGSEP	GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT
	ATSGSETPGSEPATS	GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG
	GSETPGSPAGSPTST	GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC
	EEGTSESATPESGPG	GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC
	TSTEPSEGSAPGTSTE	GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG
	PSEGSAPGSPAGSPT	AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG
	STEEGTSTEPSEGSAP	CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA
	GTSTEPSEGSAPGTS	GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT
	ESATPESGPGTSTEPS	CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC
	EGSAPGTSESATPES	GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA
	GPGSEPATSGSETPG	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC
	TSTEPSEGSAPGTSTE	GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	PSEGSAPGTSESATP	GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT
	ESGPGTSESATPESG	ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG
	PGSPAGSPTSTEEGT	CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC
	SESATPESGPGSEPA	GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG
	TSGSETPGTSESATPE	AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG
	SGPGTSTEPSEGSAP	TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT
	GTSTEPSEGSAPGTS	GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC
	TEPSEGSAPGTSTEPS	CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA
	EGSAPGTSTEPSEGS	GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG
	APGTSTEPSEGSAPG	CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT
	SPAGSPTSTEEGTSTE	ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC
	PSEGSAPGTSESATP	CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT
	ESGPGSEPATSGSET	CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG
	PGTSESATPESGPGS	GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	EPATSGSETPGTSES	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	ATPESGPGTSTEPSE	ACCTCTGAAAGCGCAACCCCCGGAATCTGGTCCAGGTAGCGAAC
	GSAPGTSESATPESG	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	PGSPAGSPTSTEEGSP	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC
	TSESATPESGPGSEP	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	ATSGSETPGTSESAT	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	PESGPGSEPATSGSE	GCAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	TPGTSESATPESGPG	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	TSTEPSEGSAPGSPA	ACCTCTGAAAGCGCAACCCCCGGAATCTGGTCCAGGTAGCGAAC
	GSPTSTEEGTSESATP	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	ESGPGSEPATSGSET	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	PGTSESATPESGPGSP	CAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAA
	AGSPTSTEEGSPAGS	GAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTA
	PTSTEEGTSTEPSEGS	GCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGA
	APGTSESATPESGPG	AAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTC
	TSESATPESGPGTSES	CGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCT
	ATPESGPGSEPATSG	ACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCAC
	SETPGSEPATSGSETP	CAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACT
	GSPAGSPTSTEEGTS	TCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAG
	TEPSEGSAPGTSTEPS	CGCTACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCT
	EGSAPGSEPATSGSE	GGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTG
	TPGTSESATPESGPG	AAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGA
	TSTEPSEGSAPGFPTI	AGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACC
	PLSRLFDNAMLRAH	TCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTG
	RLHQLAFDTYQEFEE	CAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACT
	AYIPKEQKYSFLQNP	CCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCA
	QTSLCFSESIPTPSNR	GCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTTGAT
	EETQQKSNLELLRIS	AATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTTTGA
	LLLIQSWLEPVQFLR	TACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGCAGA
	SVFANSLVYGASDS	AGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTCAGC
	NVYDLLKDLEEGIQT	GAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGCAAA
	LMGRLEDGSPRTGQI	AGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATTCAG
	FKQTYSKFDTNSHN	AGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGCCAA
	DDALLKNYGLLYCF	TAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGATCTCC
	RKDMDKVETFLRIV	TGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTCGTCT
	QCRSVEGSCGFGLTP	CGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAGACTT
	RSLLVGGGGSEPATS	ACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCTTCTA
	GSETPGTSESATPES	AAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGGACAA
	GPGSEPATSGSETPG	AGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTTGAGG
	SPAGSPTSTEEGTSTE	GCAGCTGTGGTTTCTAAGGTctgaccccgcgcagcctgctggtgggcggcGGTG
	PSEGSAPGSEPATSG	GTAGCGAACCGGCAACTTCCGGCTCTGAAACCCCAGGTACTTCT
	SETPGSEPATSGSETP	GAAAGCGCTACTCCTGAGTCTGGCCCAGGTAGCGAACCTGCTA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	GSEPATSGSETPGTS	CCTCTGGCTCTGAAACCCCAGGTAGCCCGGCAGGCTCTCCGACT
	TEPSEGSAPGTSESA	TCCACCGAGGAAGGTACCTCTACTGAACCTTCTGAGGGTAGCG
	TPESGPGSEPATSGS	CTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACCCCAGG
	ETPGTSTEPSEGSAP	TAGCGAACCTGCTACCTCCGGCTCTGAAACTCCAGGTAGCGAA
		CCGGCTACTTCCGGTTCTGAAACTCCAGGTACCTCTACCGAACC
		TTCCGAAGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCCT
		GAATCCGGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGA
		CTCCAGGTACTTCTACCGAACCGTCCGAAGGTAGCGCACCA
AE912-hGH-FXIa-AE144	MAEPAGSPTSTEEGT	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA
	PGSGTASSSPGSSTPS	CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC
	GATGSPGASPGTSST	CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG
	GSPGSPAGSPTSTEE	CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA
	GTSESATPESGPGTS	CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA
	TEPSEGSAPGSPAGS	GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC
	PTSTEEGTSTEPSEGS	CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA
	APGTSTEPSEGSAPG	CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA
	TSESATPESGPGSEP	GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT
	ATSGSETPGSEPATS	GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG
	GSETPGSPAGSPTST	GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC
	EEGTSESATPESGPG	GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC
	TSTEPSEGSAPGTSTE	GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG
	PSEGSAPGSPAGSPT	AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG
	STEEGTSTEPSEGSAP	CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA
	GTSTEPSEGSAPGTS	GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT
	ESATPESGPGTSTEPS	CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC
	EGSAPGTSESATPES	GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA
	GPGSEPATSGSETPG	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC
	TSTEPSEGSAPGTSTE	GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG
	PSEGSAPGTSESATP	GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT
	ESGPGTSESATPESG	ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG
	PGSPAGSPTSTEEGT	CAACCCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC
	SESATPESGPGSEPA	GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG
	TSGSETPGTSESATPE	AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG
	SGPGTSTEPSEGSAP	TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT
	GTSTEPSEGSAPGTS	GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC
	TEPSEGSAPGTSTEPS	CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA
	EGSAPGTSTEPSEGS	GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG
	APGTSTEPSEGSAPG	CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT
	SPAGSPTSTEEGTSTE	ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC
	PSEGSAPGTSESATP	CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT
	ESGPGSEPATSGSET	CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG
	PGTSESATPESGPGS	GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	EPATSGSETPGTSES	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	ATPESGPGTSTEPSE	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSAPGTSESATPESG	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	PGSPAGSPTSTEEGSP	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC
	TSESATPESGPGSEP	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	ATSGSETPGTSESAT	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	PESGPGSEPATSGSE	GCAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	TPGTSESATPESGPG	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	TSTEPSEGSAPGSPA	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSPTSTEEGTSESATP	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	ESGPGSEPATSGSET	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	PGTSESATPESGPGSP	CAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAA
	AGSPTSTEEGSPAGS	GAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTA
	PTSTEEGTSTEPSEGS	GCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	APGTSESATPESGPG	AAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTC
	TSESATPESGPGTSES	CGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCT
	ATPESGPGSEPATSG	ACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCAC
	SETPGSEPATSGSETP	CAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACT
	GSPAGSPTSTEEGTS	TCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAG
	TEPSEGSAPGTSTEPS	CGCTACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCT
	EGSAPGSEPATSGSE	GGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTG
	TPGTSESATPESGPG	AAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGA
	TSTEPSEGSAPGFPTI	AGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACC
	PLSRLFDNAMLRAH	TCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTG
	RLHQLAFDTYQEFEE	CAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACT
	AYIPKEQKYSFLQNP	CCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCA
	QTSLCFSESIPTPSNR	GCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTTGAT
	EETQQKSNLELLRIS	AATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTTTGA
	LLLIQSWLEPVQFLR	TACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGCAGA
	SVFANSLVYGASDS	AGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTCAGC
	NVYDLLKDLEEGIQT	GAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGCAAA
	LMGRLEDGSPRTGQI	AGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATTCAG
	FKQTYSKFDTNSHN	AGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGCCAA
	DDALLKNYGLLYCF	TAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGATCTCC
	RKDMDKVETFLRIV	TGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTCGTCT
	QCRSVEGSCGFGGG	CGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAGACTT
	KLTRVVGGGGSEPA	ACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCTTCTA
	TSGSETPGTSESATPE	AAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGGACAA
	SGPGSEPATSGSETP	AGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTTGAGG
	GSPAGSPTSTEEGTS	GCAGCTGTGGTTTCTAAGGTggcggcaaactgacccgcgtggtgggcggcGGTG
	TEPSEGSAPGSEPAT	GTAGCGAACCGGCAACTTCCGGCTCTGAAACCCCAGGTACTTCT
	SGSETPGSEPATSGS	GAAAGCGCTACTCCTGAGTCTGGCCCAGGTAGCGAACCTGCTA
	ETPGSEPATSGSETP	CCTCTGGCTCTGAAACCCCAGGTAGCCCGGCAGGCTCTCCGACT
	GTSTEPSEGSAPGTS	TCCACCGAGGAAGGTACCTCTACTGAACCTTCTGAGGGTAGCG
	ESATPESGPGSEPAT	CTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACCCCAGG
	SGSETPGTSTEPSEGS	TAGCGAACCTGCTACCTCCGGCTCTGAAACTCCAGGTAGCGAA
	AP	CCGGCTACTTCCGGTTCTGAAACTCCAGGTACCTCTACCGAACC
		TTCCGAAGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCCT
		GAATCCGGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGA
		CTCCAGGTACTTCTACCGAACCGTCCGAAGGTAGCGCACCA
AE912-hGH-Elastase-AE144	MAEPAGSPTSTEEGT	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA
	PGSGTASSSPGSSTPS	CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC
	GATGSPGASPGTSST	CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG
	GSPGSPAGSPTSTEE	CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA
	GTSESATPESGPGTS	CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA
	TEPSEGSAPGSPAGS	GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC
	PTSTEEGTSTEPSEGS	CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA
	APGTSTEPSEGSAPG	CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA
	TSESATPESGPGSEP	GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT
	ATSGSETPGSEPATS	GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG
	GSETPGSPAGSPTST	GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC
	EEGTSESATPESGPG	GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC
	TSTEPSEGSAPGTSTE	GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG
	PSEGSAPGSPAGSPT	AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG
	STEEGTSTEPSEGSAP	CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA
	GTSTEPSEGSAPGTS	GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT
	ESATPESGPGTSTEPS	CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC
	EGSAPGTSESATPES	GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA
	GPGSEPATSGSETPG	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC
	TSTEPSEGSAPGTSTE	GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG
	PSEGSAPGTSESATP	GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT
	ESGPGTSESATPESG	ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG
	PGSPAGSPTSTEEGT	CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	SESATPESGPGSEPA	GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG
	TSGSETPGTSESATPE	AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG
	SGPGTSTEPSEGSAP	TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT
	GTSTEPSEGSAPGTS	GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC
	TEPSEGSAPGTSTEPS	CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA
	EGSAPGTSTEPSEGS	GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG
	APGTSTEPSEGSAPG	CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT
	SPAGSPTSTEEGTSTE	ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC
	PSEGSAPGTSESATP	CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT
	ESGPGSEPATSGSET	CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG
	PGTSESATPESGPGS	GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	EPATSGSETPGTSES	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	ATPESGPGTSTEPSE	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSAPGTSESATPESG	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	PGSPAGSPTSTEEGSP	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC
	TSESATPESGPGSEP	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	ATSGSETPGTSESAT	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	PESGPGSEPATSGSE	GCAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	TPGTSESATPESGPG	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	TSTEPSEGSAPGSPA	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSPTSTEEGTSESATP	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	ESGPGSEPATSGSET	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	PGTSESATPESGPGSP	CAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAA
	AGSPTSTEEGSPAGS	GAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTA
	PTSTEEGTSTEPSEGS	GCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGA
	APGTSESATPESGPG	AAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTC
	TSESATPESGPGTSES	CGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCT
	ATPESGPGSEPATSG	ACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCAC
	SETPGSEPATSGSETP	CAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACT
	GSPAGSPTSTEEGTS	TCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAG
	TEPSEGSAPGTSTEPS	CGCTACCCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCT
	EGSAPGSEPATSGSE	GGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTG
	TPGTSESATPESGPG	AAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGA
	TSTEPSEGSAPGFPTI	AGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACC
	PLSRLFDNAMLRAH	TCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTG
	RLHQLAFDTYQEFEE	CAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACT
	AYIPKEQKYSFLQNP	CCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCA
	QTSLCFSESIPTPSNR	GCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTTGAT
	EETQQKSNLELLRIS	AATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTTTGA
	LLLIQSWLEPVQFLR	TACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGCAGA
	SVFANSLVYGASDS	AGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTCAGC
	NVYDLLKDLEEGIQT	*GAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGCAAA*
	LMGRLEDGSPRTGQI	AGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATTCAG
	FKQTYSKFDTNSHN	AGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGCCAA
	DDALLKNYGLLYCF	TAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGATCTCC
	RKDMDKVETFLRIV	TGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTCGTCT
	QCRSVEGSCGFGGG	CGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAGACTT
	LGPVSGVPGGSEPAT	ACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCTTCTA
	SGSETPGTSESATPES	AAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGGACAA
	GPGSEPATSGSETPG	AGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTTGAGG
	SPAGSPTSTEEGTSTE	GCAGCTGTGGTTTCTAAGGTggcggcctgggcccggtgagcggcgtgccgGGT
	PSEGSAPGSEPATSG	GGTAGCGAACCGGCAACTTCCGGCTCTGAAACCCCAGGTACTT
	SETPGSEPATSGSETP	*CTGAAAGCGCTACTCCTGAGTCTGGCCCAGGTAGCGAACCTGC*
	GSEPATSGSETPGTS	TACCTCTGGCTCTGAAACCCCAGGTAGCCCGGCAGGCTCTCCGA
	TEPSEGSAPGTSESA	CTTCCACCGAGGAAGGTACCTCTACTGAACCTTCTGAGGGTAGC
	TPESGPGSEPATSGS	GCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACCCCAG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	ETPGTSTEPSEGSAP	GTAGCGAACCTGCTACCTCCGGCTCTGAAACTCCAGGTAGCGA ACCGGCTACTTCCGGTTCTGAAACTCCAGGTACCTCTACCGAAC CTTCCGAAGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCC TGAATCCGGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAG ACTCCAGGTACTTCTACCGAACCGTCCGAAGGTAGCGCACCA
AE912- hGH- MMP-17- AE144	MAEPAGSPTSTEEGT PGSGTASSSPGSSTPS GATGSPGASPGTSST GSPGSPAGSPTSTEE GTSESATPESGPGTS TEPSEGSAPGSPAGS PTSTEEGTSTEPSEGS APGTSTEPSEGSAPG TSESATPESGPGSEP ATSGSETPGSEPATS GSETPGSPAGSPTST EEGTSESATPESGPG TSTEPSEGSAPGTSTE PSEGSAPGSPAGSPT STEEGTSTEPSEGSAP GTSTEPSEGSAPGTS ESATPESGPGTSTEPS EGSAPGTSESATPES GPGSEPATSGSETPG TSTEPSEGSAPGTSTE PSEGSAPGTSESATP ESGPGTSESATPESG PGSPAGSPTSTEEGT SESATPESGPGSEPA TSGSETPGTSESATPE SGPGTSTEPSEGSAP GTSTEPSEGSAPGTS TEPSEGSAPGTSTEPS EGSAPGTSTEPSEGS APGTSTEPSEGSAPG SPAGSPTSTEEGTSTE PSEGSAPGTSESATP ESGPGSEPATSGSET PGTSESATPESGPGS EPATSGSETPGTSES ATPESGPGTSTEPSE GSAPGTSESATPESG PGSPAGSPTSTEEGSP AGSPTSTEEGSPAGS PTSTEEGTSESATPES GPGTSTEPSEGSAPG TSESATPESGPGSEP ATSGSETPGTSESAT PESGPGSEPATSGSE TPGTSESATPESGPG TSTEPSEGSAPGSPA GSPTSTEEGTSESATP ESGPGSEPATSGSET PGTSESATPESGPGSP AGSPTSTEEGSPAGS PTSTEEGTSTEPSEGS APGTSESATPESGPG TSESATPESGPGTSES ATPESGPGSEPATSG	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC GCAACCCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC GCTACCCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG CAACCCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG GCAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG CAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAA GAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTA GCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGA AAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTC CGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCT ACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCAC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	SETPGSEPATSGSETP	CAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACT
	GSPAGSPTSTEEGTS	TCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAG
	TEPSEGSAPGTSTEPS	CGCTACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCT
	EGSAPGSEPATSGSE	GGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTG
	TPGTSESATPESGPG	AAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGA
	TSTEPSEGSAPGFPTI	AGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACC
	PLSRLFDNAMLRAH	TCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTG
	RLHQLAFDTYQEFEE	CAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACT
	AYIPKEQKYSFLQNP	CCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCA
	QTSLCFSESIPTPSNR	GCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTTGAT
	EETQQKSNLELLRIS	AATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTTTGA
	LLLIQSWLEPVQFLR	TACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGCAGA
	SVFANSLVYGASDS	AGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTCAGC
	NVYDLLKDLEEGIQT	GAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGCAAA
	LMGRLEDGSPRTGQI	AGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATTCAG
	FKQTYSKFDTNSHN	AGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGCCAA
	DDALLKNYGLLYCF	TAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGATCTCC
	RKDMDKVETFLRIV	TGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTCGTCT
	QCRSVEGSCGFGAPL	CGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAGACTT
	GLRLRGGGGSEPATS	ACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCTTCTA
	GSETPGTSESATPES	AAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGGACAA
	GPGSEPATSGSETPG	AGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTTGAGG
	SPAGSPTSTEEGTSTE	GCAGCTGTGGTTTCTAAGGTgcgccgctgggcctgcgcctgcgcggcggcGGTG
	PSEGSAPGSEPATSG	GTAGCGAACCGGCAACTTCCGGCTCTGAAACCCCAGGTACTTCT
	SETPGSEPATSGSETP	GAAAGCGCTACTCCTGAGTCTGGCCCAGGTAGCGAACCTGCTA
	GSEPATSGSETPGTS	CCTCTGGCTCTGAAACCCCAGGTAGCCCGGCAGGCTCTCCGACT
	TEPSEGSAPGTSESA	TCCACCGAGGAAGGTACCTCTACTGAACCTTCTGAGGGTAGCG
	TPESGPGSEPATSGS	CTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACCCCAGG
	ETPGTSTEPSEGSAP	TAGCGAACCTGCTACCTCCGGCTCTGAAACTCCAGGTAGCGAA
		CCGGCTACTTCCGGTTCTGAAACTCCAGGTACCTCTACCGAACC
		TTCCGAAGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCCT
		GAATCCGGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGA
		CTCCAGGTACTTCTACCGAACCGTCCGAAGGTAGCGCACCA
AE912-hGH-Thrombin-AE288	MAEPAGSPTSTEEGT	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA
	PGSGTASSSPGSSTPS	CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC
	GATGSPGASPGTSST	CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG
	GSPGSPAGSPTSTEE	CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA
	GTSESATPESGPGTS	CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA
	TEPSEGSAPGSPAGS	GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC
	PTSTEEGTSTEPSEGS	CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA
	APGTSTEPSEGSAPG	CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA
	TSESATPESGPGSEP	GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT
	ATSGSETPGSEPATS	GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG
	GSETPGSPAGSPTST	GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC
	EEGTSESATPESGPG	GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC
	TSTEPSEGSAPGTSTE	GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG
	PSEGSAPGSPAGSPT	AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG
	STEEGTSTEPSEGSAP	CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA
	GTSTEPSEGSAPGTS	GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT
	ESATPESGPGTSTEPS	CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC
	EGSAPGTSESATPES	GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA
	GPGSEPATSGSETPG	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC
	TSTEPSEGSAPGTSTE	GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG
	PSEGSAPGTSESATP	GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT
	ESGPGTSESATPESG	ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG
	PGSPAGSPTSTEEGT	CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC
	SESATPESGPGSEPA	GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG
	TSGSETPGTSESATPE	AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG
	SGPGTSTEPSEGSAP	TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	GTSTEPSEGSAPGTS	GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC
	TEPSEGSAPGTSTEPS	CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA
	EGSAPGTSTEPSEGS	GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG
	APGTSTEPSEGSAPG	CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT
	SPAGSPTSTEEGTSTE	ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC
	PSEGSAPGTSESATP	CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT
	ESGPGSEPATSGSET	CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG
	PGTSESATPESGPGS	GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	EPATSGSETPGTSES	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	ATPESGPGTSTEPSE	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSAPGTSESATPESG	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	PGSPAGSPTSTEEGSP	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC
	TSESATPESGPGSEP	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	ATSGSETPGTSESAT	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	PESGPGSEPATSGSE	GCAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	TPGTSESATPESGPG	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	TSTEPSEGSAPGSPA	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSPTSTEEGTSESATP	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	ESGPGSEPATSGSET	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	PGTSESATPESGPGSP	CAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAA
	AGSPTSTEEGSPAGS	GAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTA
	PTSTEEGTSTEPSEGS	GCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGA
	APGTSESATPESGPG	AAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTC
	TSESATPESGPGTSES	CGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCT
	ATPESGPGSEPATSG	ACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCAC
	SETPGSEPATSGSETP	CAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACT
	GSPAGSPTSTEEGTS	TCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAG
	TEPSEGSAPGTSTEPS	CGCTACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCT
	EGSAPGSEPATSGSE	GGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTG
	TPGTSESATPESGPG	AAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGA
	TSTEPSEGSAPGFPTI	AGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACC
	PLSRLFDNAMLRAH	TCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTG
	RLHQLAFDTYQEFEE	CAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACT
	AYIPKEQKYSFLQNP	CCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCA
	QTSLCFSESIPTPSNR	GCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTTGAT
	EETQQKSNLELLRIS	AATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTTTGA
	LLLIQSWLEPVQFLR	TACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGCAGA
	SVFANSLVYGASDS	AGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTCAGC
	NVYDLLKDLEEGIQT	GAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGCAAA
	LMGRLEDGSPRTGQI	AGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATTCAG
	FKQTYSKFDTNSHN	AGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGCCAA
	DDALLKNYGLLYCF	TAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGATCTCC
	RKDMDKVETFLRIV	TGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTCGTCT
	QCRSVEGSCGFGLTP	CGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAGACTT
	RSLLVGGGGTSESAT	ACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCTTCTA
	PESGPGSEPATSGSE	AAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGGACAA
	TPGTSESATPESGPG	AGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTTGAGG
	SEPATSGSETPGTSES	GCAGCTGTGGTTTCTAAGGTctgaccccgcgcagcctgctggtgggcggcGGTG
	ATPESGPGTSTEPSE	GTACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTAGCGA
	GSAPGSPAGSPTSTE	ACCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAAAGCG
	EGTSESATPESGPGS	CAACCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCTCTGG
	EPATSGSETPGTSES	CTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTG
	ATPESGPGSPAGSPT	GCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCAGG
	STEEGSPAGSPTSTEE	TAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTACCTCTG
	GTSTEPSEGSAPGTS	AAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCGGCAAC
	ESATPESGPGTSESA	CTCCGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCCTG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	TPESGPGTSESATPES GPGSEPATSGSETPG SEPATSGSETPGSPA GSPTSTEEGTSTEPSE GSAPGTSTEPSEGSA PGSEPATSGSETPGT SESATPESGPGTSTEP SEGSAP	AGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGA GGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGT ACTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTGA AAGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCT ACTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACCCCGGA ATCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCC CAGGTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAG CCCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTG AACCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCT GAGGGCAGCGCTCCAGGTAGCGAACCTGCAACCTCTGGCTCTG AAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCCC AGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCA
AE912-hGH-FXIa-AE288	MAEPAGSPTSTEEGT PGSGTASSSPGSSTPS GATGSPGASPGTSST GSPGSPAGSPTSTEE GTSESATPESGPGTS TEPSEGSAPGSPAGS PTSTEEGTSTEPSEGS APGTSTEPSEGSAPG TSESATPESGPGSEP ATSGSETPGSEPATS GSETPGSPAGSPTST EEGTSESATPESGPG TSTEPSEGSAPGTSTE PSEGSAPGSPAGSPT STEEGTSTEPSEGSAP GTSTEPSEGSAPGTS ESATPESGPGTSTEPS EGSAPGTSESATPES GPGSEPATSGSETPG TSTEPSEGSAPGTSTE PSEGSAPGTSESATP ESGPGTSESATPESG PGSPAGSPTSTEEGT SESATPESGPGSEPA TSGSETPGTSESATPE SGPGTSTEPSEGSAP GTSTEPSEGSAPGTS TEPSEGSAPGTSTEPS EGSAPGTSTEPSEGS APGTSTEPSEGSAPG SPAGSPTSTEEGTSTE PSEGSAPGTSESATP ESGPGSEPATSGSET PGTSESATPESGPGS EPATSGSETPGTSES ATPESGPGTSTEPSE GSAPGTSESATPESG PGSPAGSPTSTEEGSP AGSPTSTEEGSPAGS PTSTEEGTSESATPES GPGTSTEPSEGSAPG TSESATPESGPGSEP ATSGSETPGTSESAT PESGPGSEPATSGSE TPGTSESATPESGPG TSTEPSEGSAPGSPA GSPTSTEEGTSESATP	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG GCAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	ESGPGSEPATSGSET	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	PGTSESATPESGPGSP	CAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAA
	AGSPTSTEEGSPAGS	GAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTA
	PTSTEEGTSTEPSEGS	GCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGA
	APGTSESATPESGPG	AAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTC
	TSESATPESGPGTSES	CGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCT
	ATPESGPGSEPATSG	ACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCAC
	SETPGSEPATSGSETP	CAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACT
	GSPAGSPTSTEEGTS	TCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAG
	TEPSEGSAPGTSTEPS	CGCTACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCT
	EGSAPGSEPATSGSE	GGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTG
	TPGTSESATPESGPG	AAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGA
	TSTEPSEGSAPGFPTI	AGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACC
	PLSRLFDNAMLRAH	TCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTG
	RLHQLAFDTYQEFEE	CAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACT
	AYIPKEQKYSFLQNP	CCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCA
	QTSLCFSESIPTPSNR	GCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTTGAT
	EETQQKSNLELLRIS	AATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTTTGA
	LLLIQSWLEPVQFLR	TACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGCAGA
	SVFANSLVYGASDS	AGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTCAGC
	NVYDLLKDLEEGIQT	GAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGCAAA
	LMGRLEDGSPRTGQI	AGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATTCAG
	FKQTYSKFDTNSHN	AGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGCCAA
	DDALLKNYGLLYCF	TAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGATCTCC
	RKDMDKVETFLRIV	TGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTCGTCT
	QCRSVEGSCGFGGG	CGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAGACTT
	KLTRVVGGGGTSES	ACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCTTCTA
	ATPESGPGSEPATSG	AAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGGACAA
	SETPGTSESATPESGP	AGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTTGAGG
	GSEPATSGSETPGTS	GCAGCTGTGGTTTCTAAGGTggcggcaaactgacccgcgtggtgggcggcGGTG
	ESATPESGPGTSTEPS	GTACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTAGCGA
	EGSAPGSPAGSPTST	ACCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAAAGCG
	EEGTSESATPESGPG	CAACCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCTCTGG
	SEPATSGSETPGTSES	CTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTG
	ATPESGPGSPAGSPT	GCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCAGG
	STEEGSPAGSPTSTEE	TAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTACCTCTG
	GTSTEPSEGSAPGTS	AAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCGGCAAC
	ESATPESGPGTSESA	CTCCGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCCTG
	TPESGPGTSESATPES	AGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGA
	GPGSEPATSGSETPG	GGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGT
	SEPATSGSETPGSPA	ACTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTGA
	GSPTSTEEGTSTEPSE	AAGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCT
	GSAPGTSTEPSEGSA	ACTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACCCCGGA
	PGSEPATSGSETPGT	ATCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCC
	SESATPESGPGTSTEP	CAGGTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAG
	SEGSAP	CCCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTG
		AACCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCT
		GAGGGCAGCGCTCCAGGTAGCGAACCTGCAACCTCTGGCTCTG
		AAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCCC
		AGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCA
AE912-hGH-Elastase-AE288	MAEPAGSPTSTEEGT	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA
	PGSGTASSSPGSSTPS	CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC
	GATGSPGASPGTSST	CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG
	GSPGSPAGSPTSTEE	CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA
	GTSESATPESGPGTS	CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA
	TEPSEGSAPGSPAGS	GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC
	PTSTEEGTSTEPSEGS	CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA
	APGTSTEPSEGSAPG	CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA
	TSESATPESGPGSEP	GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	ATSGSETPGSEPATS	GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG
	GSETPGSPAGSPTST	GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC
	EEGTSESATPESGPG	GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC
	TSTEPSEGSAPGTSTE	GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG
	PSEGSAPGSPAGSPT	AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG
	STEEGTSTEPSEGSAP	CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA
	GTSTEPSEGSAPGTS	GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT
	ESATPESGPGTSTEPS	CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC
	EGSAPGTSESATPES	GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA
	GPGSEPATSGSETPG	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC
	TSTEPSEGSAPGTSTE	GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG
	PSEGSAPGTSESATP	GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT
	ESGPGTSESATPESG	ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG
	PGSPAGSPTSTEEGT	CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC
	SESATPESGPGSEPA	GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG
	TSGSETPGTSESATPE	AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG
	SGPGTSTEPSEGSAP	TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT
	GTSTEPSEGSAPGTS	GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC
	TEPSEGSAPGTSTEPS	CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA
	EGSAPGTSTEPSEGS	GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG
	APGTSTEPSEGSAPG	CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT
	SPAGSPTSTEEGTSTE	ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC
	PSEGSAPGTSESATP	CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT
	ESGPGSEPATSGSET	CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG
	PGTSESATPESGPGS	GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	EPATSGSETPGTSES	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	ATPESGPGTSTEPSE	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSAPGTSESATPESG	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	PGSPAGSPTSTEEGSP	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC
	TSESATPESGPGSEP	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	ATSGSETPGTSESAT	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	PESGPGSEPATSGSE	GCAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	TPGTSESATPESGPG	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	TSTEPSEGSAPGSPA	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSPTSTEEGTSESATP	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	ESGPGSEPATSGSET	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	PGTSESATPESGPGSP	CAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAA
	AGSPTSTEEGSPAGS	GAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTA
	PTSTEEGTSTEPSEGS	GCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGA
	APGTSESATPESGPG	AAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTC
	TSESATPESGPGTSES	CGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCT
	ATPESGPGSEPATSG	ACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCAC
	SETPGSEPATSGSETP	CAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACT
	GSPAGSPTSTEEGTS	TCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAG
	TEPSEGSAPGTSTEPS	CGCTACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCT
	EGSAPGSEPATSGSE	GGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTG
	TPGTSESATPESGPG	AAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGA
	TSTEPSEGSAPGFPTI	AGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACC
	PLSRLFDNAMLRAH	TCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTG
	RLHQLAFDTYQEFEE	CAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACT
	AYIPKEQKYSFLQNP	CCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCA
	QTSLCFSESIPTPSNR	GCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTTGAT
	EETQQKSNLELLRIS	AATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTTTGA
	LLLIQSWLEPVQFLR	TACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGCAGA
	SVFANSLVYGASDS	AGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTCAGC
	NVYDLLKDLEEGIQT	GAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGCAAA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	LMGRLEDGSPRTGQI	AGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATTCAG
	FKQTYSKFDTNSHN	AGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGCCAA
	DDALLKNYGLLYCF	TAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGATCTCC
	RKDMDKVETFLRIV	TGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTCGTCT
	QCRSVEGSCGFGGG	CGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAGACTT
	LGPVSGVPGGTSESA	ACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCTTCTA
	TPESGPGSEPATSGS	AAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGGACAA
	ETPGTSESATPESGP	AGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTTGAGG
	GSEPATSGSETPGTS	GCAGCTGTGGTTTCTAAGGTggcggcctgggcccggtgagcggcgtgccgGGT
	ESATPESGPGTSTEPS	GGTACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTAGCG
	EGSAPGSPAGSPTST	AACCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAAAGC
	EEGTSESATPESGPG	GCAACCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCTCTG
	SEPATSGSETPGTSES	GCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCT
	ATPESGPGSPAGSPT	GGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCAG
	STEEGSPAGSPTSTEE	GTAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTACCTCT
	GTSTEPSEGSAPGTS	GAAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCGGCAA
	ESATPESGPGTSESA	CCTCCGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCCT
	TPESGPGTSESATPES	GAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCG
	GPGSEPATSGSETPG	AGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGG
	SEPATSGSETPGSPA	TACTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTG
	GSPTSTEEGTSTEPSE	AAAGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGC
	GSAPGTSTEPSEGSA	TACTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACCCCGG
	PGSEPATSGSETPGT	AATCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACC
	SESATPESGPGTSTEP	CCAGGTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTA
	SEGSAP	GCCCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACT
		GAACCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTT
		CTGAGGGCAGCGCTCCAGGTAGCGAACCTGCAACCTCTGGCTC
		TGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCC
		CAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCA
AE912-hGH-MMP-17-AE288	MAEPAGSPTSTEEGT	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA
	PGSGTASSSPGSSTPS	CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC
	GATGSPGASPGTSST	CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG
	GSPGSPAGSPTSTEE	*CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA*
	GTSESATPESGPGTS	CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA
	TEPSEGSAPGSPAGS	GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC
	PTSTEEGTSTEPSEGS	*CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA*
	APGTSTEPSEGSAPG	CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA
	TSESATPESGPGSEP	GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT
	ATSGSETPGSEPATS	*GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG*
	GSETPGSPAGSPTST	GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC
	EEGTSESATPESGPG	GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC
	TSTEPSEGSAPGTSTE	GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG
	PSEGSAPGSPAGSPT	AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG
	STEEGTSTEPSEGSAP	CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA
	GTSTEPSEGSAPGTS	GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT
	ESATPESGPGTSTEPS	CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC
	EGSAPGTSESATPES	GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA
	GPGSEPATSGSETPG	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC
	TSTEPSEGSAPGTSTE	GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG
	PSEGSAPGTSESATP	GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT
	ESGPGTSESATPESG	ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG
	PGSPAGSPTSTEEGT	CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC
	SESATPESGPGSEPA	GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG
	TSGSETPGTSESATPE	AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG
	SGPGTSTEPSEGSAP	TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT
	GTSTEPSEGSAPGTS	GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC
	TEPSEGSAPGTSTEPS	CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA
	EGSAPGTSTEPSEGS	GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG
	APGTSTEPSEGSAPG	CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	SPAGSPTSTEEGTSTE	ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC
	PSEGSAPGTSESATP	CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT
	ESGPGSEPATSGSET	CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG
	PGTSESATPESGPGS	GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	EPATSGSETPGTSES	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	ATPESGPGTSTEPSE	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSAPGTSESATPESG	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	PGSPAGSPTSTEEGSP	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC
	TSESATPESGPGSEP	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	ATSGSETPGTSESAT	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	PESGPGSEPATSGSE	GCAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	TPGTSESATPESGPG	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	TSTEPSEGSAPGSPA	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSPTSTEEGTSESATP	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	ESGPGSEPATSGSET	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	PGTSESATPESGPGSP	CAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAA
	AGSPTSTEEGSPAGS	GAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTA
	PTSTEEGTSTEPSEGS	GCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGA
	APGTSESATPESGPG	AAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTC
	TSESATPESGPGTSES	CGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCT
	ATPESGPGSEPATSG	ACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCAC
	SETPGSEPATSGSETP	CAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACT
	GSPAGSPTSTEEGTS	TCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAG
	TEPSEGSAPGTSTEPS	CGCTACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCT
	EGSAPGSEPATSGSE	GGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTG
	TPGTSESATPESGPG	AAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGA
	TSTEPSEGSAPGFPTI	AGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTACC
	PLSRLFDNAMLRAH	TCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTG
	RLHQLAFDTYQEFEE	CAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACT
	AYIPKEQKYSFLQNP	CCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCA
	QTSLCFSESIPTPSNR	GCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTTGAT
	EETQQKSNLELLRIS	AATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTTTGA
	LLLIQSWLEPVQFLR	TACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGCAGA
	SVFANSLVYGASDS	AGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTCAGC
	NVYDLLKDLEEGIQT	GAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGCAAA
	LMGRLEDGSPRTGQI	AGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATTCAG
	FKQTYSKFDTNSHN	AGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGCCAA
	DDALLKNYGLLYCF	TAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGATCTCC
	RKDMDKVETFLRIV	TGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTCGTCT
	QCRSVEGSCGFGAPL	CGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAGACTT
	GLRLRGGGGTSESA	ACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCTTCTA
	TPESGPGSEPATSGS	AAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGGACAA
	ETPGTSESATPESGP	AGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTTGAGG
	GSEPATSGSETPGTS	GCAGCTGTGGTTTCTAAGGTgcgccgctgggcctgcgcctgcgcggcggcGGTG
	ESATPESGPGTSTEPS	GTACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTAGCGA
	EGSAPGSPAGSPTST	ACCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAAAGCG
	EEGTSESATPESGPG	CAACCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCTCTGG
	SEPATSGSETPGTSES	CTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTG
	ATPESGPGSPAGSPT	GCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCAGG
	STEEGSPAGSPTSTEE	TAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTACCTCTG
	GTSTEPSEGSAPGTS	AAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCGGCAAC
	ESATPESGPGTSESA	CTCCGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTACTCCTG
	TPESGPGTSESATPES	AGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGA
	GPGSEPATSGSETPG	GGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGT
	SEPATSGSETPGSPA	ACTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACTTCTGA
	GSPTSTEEGTSTEPSE	AAGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAAGCGCT

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	GSAPGTSTEPSEGSA PGSEPATSGSETPGT SESATPESGPGTSTEP SEGSAP	ACTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACCCCGGA ATCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCC CAGGTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAG CCCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTG AACCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCT GAGGGCAGCGCTCCAGGTAGCGAACCTGCAACCTCTGGCTCTG AAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATCTGGCCC AGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCA
AM923-hGH-Thrombin-AE144	MAEPAGSPTSTEEGA SPGTSSTGSPGSSTPS GATGSPGSSTPSGAT GSPGTSTEPSEGSAP GSEPATSGSETPGSP AGSPTSTEEGSTSST AESPGPGTSTPESGS ASPGSTSESPSGTAP GSTSESPSGTAPGTS TPESGSASPGTSTPES GSASPGSEPATSGSE TPGTSESATPESGPG SPAGSPTSTEEGTSTE PSEGSAPGTSESATP ESGPGTSTEPSEGSA PGTSTEPSEGSAPGSP AGSPTSTEEGTSTEPS EGSAPGTSTEPSEGS APGTSESATPESGPG TSESATPESGPGTSTE PSEGSAPGTSTEPSE GSAPGTSESATPESG PGTSTEPSEGSAPGS EPATSGSETPGSPAG SPTSTEEGSSTPSGAT GSPGTPGSGTASSSP GSSTPSGATGSPGTS TEPSEGSAPGTSTEPS EGSAPGSEPATSGSE TPGSPAGSPTSTEEG SPAGSPTSTEEGTSTE PSEGSAPGASASGAP STGGTSESATPESGP GSPAGSPTSTEEGSP AGSPTSTEEGSTSST AESPGPGSTSESPSGT APGTSPSGESSTAPG TPGSGTASSSPGSSTP SGATGSPGSSPSAST GTGPGSEPATSGSET PGTSESATPESGPGS EPATSGSETPGSTSST AESPGPGSTSSTAESP GPGTSPSGESSTAPG SEPATSGSETPGSEP ATSGSETPGTSTEPSE GSAPGSTSSTAESPG PGTSTPESGSASPGST SESPSGTAPGTSTEPS EGSAPGTSTEPSEGS APGTSTEPSEGSAPG	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTG CATCCCCGGGCACCAGCTCTACCGGTTCTCCAGGTAGCTCTACC CCGTCTGGTGCTACCGGCTCTCCAGGTAGCTCTACCCCGTCTGG TGCTACTGGCTCTCCAGGTACTTCTACTGAACCGTCTGAAGGCA GCGCACCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAACCCC AGGTAGCCCAGCAGGTTCTCCAACTTCTACTGAAGAAGGTTCTA CCAGCTCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCG GAAAGCGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTC TGGCACTGCACCAGGTTCTACTAGCGAATCCCCGTCTGGTACTG CTCCAGGTACTTCTACTCCTGAAAGCGGTTCCGCTTCTCCAGGT ACCTCTACTCCGGAAAGCGGTTCTGCATCTCCAGGTAGCGAACC GGCAACCTCCGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCCGGCCCAGGTAGCCCGGCAGGTTCTCCGACTTC CACTGAGGAAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCT CCAGGTACTTCTGAAAGCGCTACCCCGGAGTCCGGTCCAGGTA CTTCTACTGAACCGTCCGAAGGTAGCGCACCAGGTACTTCTACC GAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCTC CTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGGG TAGCGCACCAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCA CCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTA CTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACCTCTACT GAACCTTCCGAAGGCAGCGCTCCAGGTACCTCTACCGAACCGT CCGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGA ATCCGGTCCAGGTACTTCTACTGAACCTTCCGAAGGTAGCGCTC CAGGTAGCGAACCTGCTACTTCTGGTTCTGAAACCCCAGGTAGC CCGGCTGGCTCTCCGACCTCCACCGAGGAAGGTAGCTCTACCCC GTCTGGTGCTACTGGTTCTCCAGGTACTCCGGGCAGCGGTACTG CTTCTTCCTCTCCAGGTAGCTCTACCCCTTCTGGTGCTACTGGCT CTCCAGGTACCTCTACCGAACCGTCCGAGGGTAGCGCACCAGG TACCTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTAGCGAA CCGGCAACCTCCGGTTCTGAAACTCCAGGTAGCCCTGCTGGCTC TCCGACTTCTACTGAGGAAGGTAGCCCGGCTGGTTCTCCGACTT CTACTGAGGAAGGTACTTCTACCGAACCTTCCGAAGGTAGCGC TCCAGGTGCAAGCGCAAGCGGCGCGCCAAGCACGGGAGGTACT TCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTG GCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCA ACTTCTACTGAAGAAGGTTCTACCAGCTCTACCGCTGAATCTCC TGGCCCAGGTTCTACTAGCGAATCTCCGTCTGGCACCGCACCAG GTACTTCCCCTAGCGGTGAATCTTCTACTGCACCAGGTACCCCT GGCAGCGGTACCGCTTCTTCCTCTCCAGGTAGCTCTACCCCGTC TGGTGCTACTGGCTCTCCAGGTTCTAGCCCGTCTGCATCTACCG GTACCGGCCCAGGTAGCGAACCGGCAACCTCCGGCTCTGAAAC TCCAGGTACTTCTGAAAGCGCTACTCCGGAATCCGGCCCAGGT AGCGAACCGGCTACTTCCGGCTCTGAAACCCCAGGTTCCACCA GCTCTACTGCAGAATCTCCGGGCCCAGGTTCTACTAGCTCTACT GCAGAATCTCCGGGTCCAGGTACTTCTCCTAGCGGCGAATCTTC TACCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACT CCAGGTAGCGAACCTGCAACCTCCGGCTCTGAAACCCCAGGTA CTTCTACTGAACCTTCTGAGGGCAGCGCACCAGGTTCTACCAGC TCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCGGAAAG CGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTCTGGCA

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	SSTPSGATGSPGSSPS ASTGTGPGASPGTSS TGSPGSEPATSGSET PGTSESATPESGPGSP AGSPTSTEEGSSTPS GATGSPGSSPSASTG TGPGASPGTSSTGSP GTSESATPESGPGTS TEPSEGSAPGTSTEPS EGSAPGFPTIPLSRLF DNAMLRAHRLHQL AFDTYQEFEEAYIPK EQKYSFLQNPQTSLC FSESIPTPSNREETQQ KSNLELLRISLLLIQS WLEPVQFLRSVFAN SLVYGASDSNVYDL LKDLEEGIQTLMGRL EDGSPRTGQIFKQTY SKFDTNSHNDDALL KNYGLLYCFRKDMD KVETFLRIVQCRSVE GSCGFGLTPRSLLVG GGGSEPATSGSETPG TSESATPESGPGSEP ATSGSETPGSPAGSP TSTEEGTSTEPSEGS APGSEPATSGSETPG SEPATSGSETPGSEP ATSGSETPGTSTEPSE GSAPGTSESATPESG PGSEPATSGSETPGT STEPSEGSAP	CTGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCGCTCC AGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGTACCT CTACCGAACCTTCTGAAGGTAGCGCACCAGGTAGCTCTACTCCG TCTGGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCAC TGGTACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTT CTCCAGGTAGCGAACCTGCTACCTCCGGTTCTGAAACCCCAGGT ACCTCTGAAAGCGCAACTCCGGAGTCTGGTCCAGGTAGCCCTG CAGGTTCTCCTACCTCCACTGAGGAAGGTAGCTCTACTCCGTCT GGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCACTGG TACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTTCTC CAGGTACCTCTGAAAGCGCTACTCCGGAGTCTGGCCCAGGTAC CTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTACTTCTACTG AACCGTCCGAAGGTAGCGCACCAGGTTTTCCGACTATTCCGCTG TCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCACCGTCTGCA CCAGCTGGCCTTTGATACTTACCAGGAATTTGAAGAAGCcTACA TTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAACCCACAGACT TCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTCCAATCGCGA GGAAACTCAGCAAAAGTCCAATCTGGAACTACTCCGCATTTCTC TGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCAATTTCTGCGT TCCGTCTTCGCCAATAGCCTAGTTTATGGCGCATCCGACAGCAA CGTATACGATCTCCTGAAAGATCTCGAGGAAGGCATTCAGACC CTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTACTGGTCAGAT CTTCAAGCAGACTTACTCTAAATTTGATACTAACAGCCACAATG ACGATGCGCTTCTAAAAAACTATGGTCTGCTGTATTGTTTTCGT AAAGATATGGACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTG TCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGGTctgaccccgcgcagc ctgctggtgggcggcGGTGGTAGCGAACCGGCAACTTCCGGCTCTGAA ACCCCAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGCCCAGG TAGCGAACCTGCTACCTCTGGCTCTGAAACCCCAGGTAGCCCG GCAGGCTCTCCGACTTCCACCGAGGAAGGTACCTCTACTGAAC CTTCTGAGGGTAGCGCTCCAGGTAGCGAACCGGCAACCTCTGG CTCTGAAACCCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAA ACTCCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAACTCCAG GTACCTCTACCGAACCTTCCGAAGGCAGCGCACCAGGTACTTCT GAAAGCGCAACCCCTGAATCCGGTCCAGGTAGCGAACCGGCTA CTTCTGGCTCTGAGACTCCAGGTACTTCTACCGAACCGTCCGAA GGTAGCGCACCA
AM923-hGH-FXIa-AE144	MAEPAGSPTSTEEGA SPGTSSTGSPGSSTPS GATGSPGSSTPSGAT GSPGTSTEPSEGSAP GSEPATSGSETPGSP AGSPTSTEEGSTSST AESPGPGTSTPESGS ASPGSTSESPSGTAP GSTSESPSGTAPGTS TPESGSASPGTSTPES GSASPGSEPATSGSE TPGTSESATPESGPG SPAGSPTSTEEGTSTE PSEGSAPGTSESATP ESGPGTSTEPSEGSA PGTSTEPSEGSAPGSP AGSPTSTEEGTSTEPS EGSAPGTSTEPSEGS APGTSESATPESGPG TSESATPESGPGTSTE PSEGSAPGTSTEPSE GSAPGTSESATPESG	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTG CATCCCCGGGCACCAGCTCTACCGGTTCTCCAGGTAGCTCTACC CCGTCTGGTGCTACCGGCTCTCCAGGTAGCTCTACCCCGTCTGG TGCTACTGGCTCTCCAGGTACTTCTACTGAACCGTCTGAAGGCA GCGCACCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAACCCC AGGTAGCCCAGCAGGTTCTCCAACTTCTACTGAAGAAGGTTCTA CCAGCTCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCG GAAAGCGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTC TGGCACTGCACCAGGTTCTACTAGCGAATCCCCGTCTGGTACTG CTCCAGGTACTTCTACTCCTGAAAGCGGTTCCGCTTCTCCAGGT ACCTCTACTCCGGAAAGCGGTTCTGCATCTCCAGGTAGCGAACC GGCAACCTCCGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCCGGCCCAGGTAGCCCGGCAGGTTCTCCGACTTC CACTGAGGAAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCT CCAGGTACTTCTGAAAGCGCTACCCCGGAGTCCGGTCCAGGTA CTTCTACTGAACCGTCCGAAGGTAGCGCACCAGGTACTTCTACC GAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCTC CTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGGG TAGCGCACCAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCA CCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTA CTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACCTCTACT GAACCTTCCGAAGGCAGCGCTCCAGGTACCTCTACCGAACCGT

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	PGTSTEPSEGSAPGS	CCGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGA
	EPATSGSETPGSPAG	ATCCGGTCCAGGTACTTCTACTGAACCTTCCGAAGGTAGCGCTC
	SPTSTEEGSSTPSGAT	CAGGTAGCGAACCTGCTACTTCTGGTTCTGAAACCCCAGGTAGC
	GSPGTPGSGTASSSP	CCGGCTGGCTCTCCGACCTCCACCGAGGAAGGTAGCTCTACCCC
	GSSTPSGATGSPGTS	GTCTGGTGCTACTGGTTCTCCAGGTACTCCGGGCAGCGGTACTG
	TEPSEGSAPGTSTEPS	CTTCTTCCTCTCCAGGTAGCTCTACCCCTTCTGGTGCTACTGGCT
	EGSAPGSEPATSGSE	CTCCAGGTACCTCTACCGAACCGTCCGAGGGTAGCGCACCAGG
	TPGSPAGSPTSTEEG	TACCTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTAGCGAA
	SPAGSPTSTEEGTSTE	CCGGCAACCTCCGGTTCTGAAACTCCAGGTAGCCCTGCTGGCTC
	PSEGSAPGASASGAP	TCCGACTTCTACTGAGGAAGGTAGCCCGGCTGGTTCTCCGACTT
	STGGTSESATPESGP	CTACTGAGGAAGGTACTTCTACCGAACCTTCCGAAGGTAGCGC
	GSPAGSPTSTEEGSP	TCCAGGTGCAAGCGCAAGCGGCGCGCCAAGCACGGGAGGTACT
	AGSPTSTEEGSTSST	TCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTG
	AESPGPGSTSESPSGT	GCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCA
	APGTSPSGESSTAPG	ACTTCTACTGAAGAAGGTTCTACCAGCTCTACCGCTGAATCTCC
	TPGSGTASSSPGSSTP	TGGCCCAGGTTCTACTAGCGAATCTCCGTCTGGCACCGCACCAG
	SGATGSPGSSPSAST	GTACTTCCCCTAGCGGTGAATCTTCTACTGCACCAGGTACCCCT
	GTGPGSEPATSGSET	GGCAGCGGTACCGCTTCTTCCTCTCCAGGTAGCTCTACCCCGTC
	PGTSESATPESGPGS	TGGTGCTACTGGCTCTCCAGGTTCTAGCCCGTCTGCATCTACCG
	EPATSGSETPGSTSST	GTACCGGCCCAGGTAGCGAACCGGCAACCTCCGGCTCTGAAAC
	AESPGPGSTSSTAESP	TCCAGGTACTTCTGAAAGCGCTACTCCGGAATCCGGCCCAGGT
	GPGTSPSGESSTAPG	AGCGAACCGGCTACTTCCGGCTCTGAAACCCCAGGTTCCACCA
	SEPATSGSETPGSEP	GCTCTACTGCAGAATCTCCGGGCCCAGGTTCTACTAGCTCTACT
	ATSGSETPGTSTEPSE	GCAGAATCTCCGGGTCCAGGTACTTCTCCTAGCGGCGAATCTTC
	GSAPGSTSSTAESPG	TACCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACT
	PGTSTPESGSASPGST	CCAGGTAGCGAACCTGCAACCTCCGGCTCTGAAACCCCAGGTA
	SESPSGTAPGTSTEPS	CTTCTACTGAACCTTCTGAGGGCAGCGCACCAGGTTCTACCAGC
	EGSAPGTSTEPSEGS	TCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCGGAAAG
	APGTSTEPSEGSAPG	CGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTCTGGCA
	SSTPSGATGSPGSSPS	CTGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCGCTCC
	ASTGTGPGASPGTSS	AGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGTACCT
	TGSPGSEPATSGSET	CTACCGAACCTTCTGAAGGTAGCGCACCAGGTAGCTCTACTCCG
	PGTSESATPESGPGSP	TCTGGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCAC
	AGSPTSTEEGSSTPS	TGGTACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTT
	GATGSPGSSPSASTG	CTCCAGGTAGCGAACCTGCTACCTCCGGTTCTGAAACCCCAGGT
	TGPGASPGTSSTGSP	ACCTCTGAAAGCGCAACTCCGGAGTCTGGTCCAGGTAGCCCTG
	GTSESATPESGPGTS	CAGGTTCTCCTACCTCCACTGAGGAAGGTAGCTCTACTCCGTCT
	TEPSEGSAPGTSTEPS	GGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCACTGG
	EGSAPGFPTIPLSRLF	TACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTTCTC
	DNAMLRAHRLHQL	CAGGTACCTCTGAAAGCGCTACTCCGGAGTCTGGCCCAGGTAC
	AFDTYQEFEEAYIPK	CTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTACTTCTACTG
	EQKYSFLQNPQTSLC	AACCGTCCGAAGGTAGCGCACCAGGTTTTCCGACTATTCCGCTG
	FSESIPTPSNREETQQ	TCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCACCGTCTGCA
	KSNLELLRISLLLIQS	CCAGCTGGCCTTTGATACTTACCAGGAATTTGAAGAAGCcTACA
	WLEPVQFLRSVFAN	TTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAACCCACAGACT
	SLVYGASDSNVYDL	TCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTCCAATCGCGA
	LKDLEEGIQTLMGRL	GGAAACTCAGCAAAAGTCCAATCTGGAACTACTCCGCATTTCTC
	EDGSPRTGQIFKQTY	TGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCAATTTCTGCGT
	SKFDTNSHNDDALL	TCCGTCTTCGCCAATAGCCTAGTTTATGGCGCATCCGACAGCAA
	KNYGLLYCFRKDMD	CGTATACGATCTCCTGAAAGATCTCGAGGAAGGCATTCAGACC
	KVETFLRIVQCRSVE	CTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTACTGGTCAGAT
	GSCGFGGGKLTRVV	CTTCAAGCAGACTTACTCTAAATTTGATACTAACAGCCACAATG
	GGGGSEPATSGSETP	ACGATGCGCTTCTAAAAAACTATGGTCTGCTGTATTGTTTTCGT
	GTSESATPESGPGSE	AAAGATATGGACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTG
	PATSGSETPGSPAGS	TCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGGTggcggcaaactgacc
	PTSTEEGTSTEPSEGS	cgcgtggtgggcggcGGTGGTAGCGAACCGGCAACTTCCGGCTCTGAA
	APGSEPATSGSETPG	ACCCCAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGCCCAGG
	SEPATSGSETPGSEP	TAGCGAACCTGCTACCTCTGGCTCTGAAACCCCAGGTAGCCCG
	ATSGSETPGTSTEPSE	GCAGGCTCTCCGACTTCCACCGAGGAAGGTACCTCTACTGAAC

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	GSAPGTSESATPESG PGSEPATSGSETPGT STEPSEGSAP	CTTCTGAGGGTAGCGCTCCAGGTAGCGAACCGGCAACCTCTGG CTCTGAAACCCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAA ACTCCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAACTCCAG GTACCTCTACCGAACCTTCCGAAGGCAGCGCACCAGGTACTTCT GAAAGCGCAACCCCTGAATCCGGTCCAGGTAGCGAACCGGCTA CTTCTGGCTCTGAGACTCCAGGTACTTCTACCGAACCGTCCGAA GGTAGCGCACCA
AM923-hGH-Elastase-AE144	MAEPAGSPTSTEEGA SPGTSSTGSPGSSTPS GATGSPGSSTPSGAT GSPGTSTEPSEGSAP GSEPATSGSETPGSP AGSPTSTEEGSTSST AESPGPGTSTPESGS ASPGSTSESPSGTAP GSTSESPSGTAPGTS TPESGSASPGTSTPES GSASPGSEPATSGSE TPGTSESATPESGPG SPAGSPTSTEEGTSTE PSEGSAPGTSESATP ESGPGTSTEPSEGSA PGTSTEPSEGSAPGSP AGSPTSTEEGTSTEPS EGSAPGTSTEPSEGS APGTSESATPESGPG TSESATPESGPGTSTE PSEGSAPGTSTEPSE GSAPGTSESATPESG PGTSTEPSEGSAPGS EPATSGSETPGSPAG SPTSTEEGSSTPSGAT GSPGTPGSGTASSSP GSSTPSGATGSPGTS TEPSEGSAPGTSTEPS EGSAPGSEPATSGSE TPGSPAGSPTSTEEG SPAGSPTSTEEGTSTE PSEGSAPGASASGAP STGGTSESATPESGP GSPAGSPTSTEEGSP AGSPTSTEEGSTSST AESPGPGSTSESPSGT APGTSPSGESSTAPG TPGSGTASSSPGSSTP SGATGSPGSSPSAST GTGPGSEPATSGSET PGTSESATPESGPGS EPATSGSETPGSTSST AESPGPGSTSSTAESP GPGTSPSGESSTAPG SEPATSGSETPGSEP ATSGSETPGTSTEPSE GSAPGSTSSTAESPG PGTSTPESGSASPGST SESPSGTAPGTSTEPS EGSAPGTSTEPSEGS APGTSTEPSEGSAPG SSTPSGATGSPGSSPS	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTG CATCCCCGGGCACCAGCTCTACCGGTTCTCCAGGTAGCTCTACC CCGTCTGGTGCTACCGGCTCTCCAGGTAGCTCTACCCCGTCTGG TGCTACTGGCTCTCCAGGTACTTCTACTGAACCGTCTGAAGGCA GCGCACCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAACCCC AGGTAGCCCAGCAGGTTCTCCAACTTCTACTGAAGAAGGTTCTA CCAGCTCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCG GAAAGCGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTC TGGCACTGCACCAGGTTCTACTAGCGAATCCCCGTCTGGTACTG CTCCAGGTACTTCTACTCCTGAAAGCGGTTCCGCTTCTCCAGGT ACCTCTACTCCGGAAAGCGGTTCTGCATCTCCAGGTAGCGAACC GGCAACCTCCGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCCGGCCCAGGTAGCCCGGCAGGTTCTCCGACTTC CACTGAGGAAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCT CCAGGTACTTCTGAAAGCGCTACCCCGGAGTCCGGTCCAGGTA CTTCTACTGAACCGTCCGAAGGTAGCGCACCAGGTACTTCTACC GAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCTC CTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGGG TAGCGCACCAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCA CCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTA CTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACCTCTACT GAACCTTCCGAAGGCAGCGCTCCAGGTACCTCTACCGAACCGT CCGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGA ATCCGGTCCAGGTACTTCTACTGAACCTTCCGAAGGTAGCGCTC CAGGTAGCGAACCTGCTACTTCTGGTTCTGAAACCCCAGGTAGC CCGGCTGGCTCTCCGACCTCCACCGAGGAAGGTAGCTCTACCCC GTCTGGTGCTACTGGTTCTCCAGGTACTCCGGGCAGCGGTACTG CTTCTTCCTCTCCAGGTAGCTCTACCCCTTCTGGTGCTACTGGCT CTCCAGGTACCTCTACCGAACCGTCCGAGGGTAGCGCACCAGG TACCTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTAGCGAA CCGGCAACCTCCGGTTCTGAAACTCCAGGTAGCCCTGCTGGCTC TCCGACTTCTACTGAGGAAGGTAGCCCGGCTGGTTCTCCGACTT CTACTGAGGAAGGTACTTCTACCGAACCTTCCGAAGGTAGCGC TCCAGGTGCAAGCGCAAGCGGCGCGCCAAGCACGGGAGGTACT TCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTG GCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCA ACTTCTACTGAAGAAGGTTCTACCAGCTCTACCGCTGAATCTCC TGGCCCAGGTTCTACTAGCGAATCTCCGTCTGGCACCGCACCAG GTACTTCCCCTAGCGGTGAATCTTCTACTGCACCAGGTACCCCT GGCAGCGGTACCGCTTCTTCCTCTCCAGGTAGCTCTACCCCGTC TGGTGCTACTGGCTCTCCAGGTTCTAGCCCGTCTGCATCTACCG GTACCGGCCCAGGTAGCGAACCGGCAACCTCCGGCTCTGAAAC TCCAGGTACTTCTGAAAGCGCTACTCCGGAATCCGGCCCAGGT AGCGAACCGGCTACTTCCGGCTCTGAAACCCCAGGTTCCACCA GCTCTACTGCAGAATCTCCGGGCCCAGGTTCTACTAGCTCTACT GCAGAATCTCCGGGTCCAGGTACTTCTCCTAGCGGCGAATCTTC TACCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACT CCAGGTAGCGAACCTGCAACCTCCGGCTCTGAAACCCCAGGTA CTTCTACTGAACCTTCTGAGGGCAGCGCACCAGGTTCTACCAGC TCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCGGAAAG CGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTCTGGCA CTGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCGCTCC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	ASTGTGPGASPGTSS TGSPGSEPATSGSET PGTSESATPESGPGSP AGSPTSTEEGSSTPS GATGSPGSSPSASTG TGPGASPGTSSTGSP GTSESATPESGPGTS TEPSEGSAPGTSTEPS EGSAPGFPTIPLSRLF DNAMLRAHRLHQL AFDTYQEFEEAYIPK EQKYSFLQNPQTSLC FSESIPTPSNREETQQ KSNLELLRISLLLIQS WLEPVQFLRSVFAN SLVYGASDSNVYDL LKDLEEGIQTLMGRL EDGSPRTGQIFKQTY SKFDTNSHNDDALL KNYGLLYCFRKDMD KVETFLRIVQCRSVE GSCGFGGGLGPVSG VPGGSEPATSGSETP GTSESATPESGPGSE PATSGSETPGSPAGS PTSTEEGTSTEPSEGS APGSEPATSGSETPG SEPATSGSETPGSEP ATSGSETPGTSTEPSE GSAPGTSESATPESG PGSEPATSGSETPGT STEPSEGSAP	AGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGTACCT CTACCGAACCTTCTGAAGGTAGCGCACCAGGTAGCTCTACTCCG TCTGGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCAC TGGTACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTT CTCCAGGTAGCGAACCTGCTACCTCCGGTTCTGAAACCCCAGGT ACCTCTGAAAGCGCAACTCCGGAGTCTGGTCCAGGTAGCCCTG CAGGTTCTCCTACCTCCACTGAGGAAGGTAGCTCTACTCCGTCT GGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCACTGG TACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTTCTC CAGGTACCTCTGAAAGCGCTACTCCGGAGTCTGGCCCAGGTAC CTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTACTTCTACTG AACCGTCCGAAGGTAGCGCACCAGGTTTTCCGACTATTCCGCTG TCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCACCGTCTGCA CCAGCTGGCCTTTGATACTTACCAGGAATTTGAAGAAGCcTACA TTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAACCCACAGACT TCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTCCAATCGCGA GGAAACTCAGCAAAAGTCCAATCTGGAACTACTCCGCATTTCTC TGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCAATTTCTGCGT TCCGTCTTCGCCAATAGCCTAGTTTATGGCGCATCCGACAGCAA CGTATACGATCTCCTGAAAGATCTCGAGGAAGGCATTCAGACC CTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTACTGGTCAGAT CTTCAAGCAGACTTACTCTAAATTTGATACTAACAGCCACAATG ACGATGCGCTTCTAAAAAACTATGGTCTGCTGTATTGTTTTCGT AAAGATATGGACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTG TCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGGTggcggcctgggcccg gtgagcggcgtgccgGGTGGTAGCGAACCGGCAACTTCCGGCTCTGAA ACCCCAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGCCCAGG TAGCGAACCTGCTACCTCTGGCTCTGAAACCCCAGGTAGCCCG GCAGGCTCTCCGACTTCCACCGAGGAAGGTACCTCTACTGAAC CTTCTGAGGGTAGCGCTCCAGGTAGCGAACCGGCAACCTCTGG CTCTGAAACCCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAA ACTCCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAACTCCAG GTACCTCTACCGAACCTTCCGAAGGCAGCGCACCAGGTACTTCT GAAAGCGCAACCCCTGAATCCGGTCCAGGTAGCGAACCGGCTA CTTCTGGCTCTGAGACTCCAGGTACTTCTACCGAACCGTCCGAA GGTAGCGCACCA
AM923-hGH-MMP-17-AE144	MAEPAGSPTSTEEGA SPGTSSTGSPGSSTPS GATGSPGSSTPSGAT GSPGTSTEPSEGSAP GSEPATSGSETPGSP AGSPTSTEEGSTSST AESPGPGTSTPESGS ASPGSTSESPSGTAP GSTSESPSGTAPGTS TPESGSASPGTSTPES GSASPGSEPATSGSE TPGTSESATPESGPG SPAGSPTSTEEGTSTE PSEGSAPGTSESATP ESGPGTSTEPSEGSA PGTSTEPSEGSAPGSP AGSPTSTEEGTSTEPS EGSAPGTSTEPSEGS APGTSESATPESGPG TSESATPESGPGTSTE PSEGSAPGTSTEPSE GSAPGTSESATPESG PGTSTEPSEGSAPGS	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTG CATCCCCGGGCACCAGCTCTACCGGTTCTCCAGGTAGCTCTACC CCGTCTGGTGCTACCGGCTCTCCAGGTAGCTCTACCCCGTCTGG TGCTACTGGCTCTCCAGGTACTTCTACTGAACCGTCTGAAGGCA GCGCACCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAACCCC AGGTAGCCCAGCAGGTTCTCCAACTTCTACTGAAGAAGGTTCTA CCAGCTCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCG GAAAGCGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTC TGGCACTGCACCAGGTTCTACTAGCGAATCCCCGTCTGGTACTG CTCCAGGTACTTCTACTCCTGAAAGCGGTTCCGCTTCTCCAGGT ACCTCTACTCCGGAAAGCGGTTCTGCATCTCCAGGTAGCGAACC GGCAACCTCCGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCCGGCCCAGGTAGCCCGGCAGGTTCTCCGACTTC CACTGAGGAAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCT CCAGGTACTTCTGAAAGCGCTACCCCGGAGTCCGGTCCAGGTA CTTCTACTGAACCGTCCGAAGGTAGCGCACCAGGTACTTCTACC GAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCTC CTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGGG TAGCGCACCAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCA CCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTA CTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACCTCTACT GAACCTTCCGAAGGCAGCGCTCCAGGTACCTCTACCGAACCGT CCGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGA

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	EPATSGSETPGSPAG	ATCCGGTCCAGGTACTTCTACTGAACCTTCCGAAGGTAGCGCTC
	SPTSTEEGSSTPSGAT	CAGGTAGCGAACCTGCTACTTCTGGTTCTGAAACCCCAGGTAGC
	GSPGTPGSGTASSSP	CCGGCTGGCTCTCCGACCTCCACCGAGGAAGGTAGCTCTACCCC
	GSSTPSGATGSPGTS	GTCTGGTGCTACTGGTTCTCCAGGTACTCCGGGCAGCGGTACTG
	TEPSEGSAPGTSTEPS	CTTCTTCCTCTCCAGGTAGCTCTACCCCTTCTGGTGCTACTGGCT
	EGSAPGSEPATSGSE	CTCCAGGTACCTCTACCGAACCGTCCGAGGGTAGCGCACCAGG
	TPGSPAGSPTSTEEG	TACCTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTAGCGAA
	SPAGSPTSTEEGTSTE	CCGGCAACCTCCGGTTCTGAAACTCCAGGTAGCCCTGCTGGCTC
	PSEGSAPGASASGAP	TCCGACTTCTACTGAGGAAGGTAGCCCGGCTGGTTCTCCGACTT
	STGGTSESATPESGP	CTACTGAGGAAGGTACTTCTACCGAACCTTCCGAAGGTAGCGC
	GSPAGSPTSTEEGSP	TCCAGGTGCAAGCGCAAGCGGCGCGCCAAGCACGGGAGGTACT
	AGSPTSTEEGSTSST	TCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTG
	AESPGPGSTSESPSGT	GCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCA
	APGTSPSGESSTAPG	ACTTCTACTGAAGAAGGTTCTACCAGCTCTACCGCTGAATCTCC
	TPGSGTASSSPGSSTP	TGGCCCAGGTTCTACTAGCGAATCTCCGTCTGGCACCGCACCAG
	SGATGSPGSSPSAST	GTACTTCCCCTAGCGGTGAATCTTCTACTGCACCAGGTACCCCT
	GTGPGSEPATSGSET	GGCAGCGGTACCGCTTCTTCCTCTCCAGGTAGCTCTACCCCGTC
	PGTSESATPESGPGS	TGGTGCTACTGGCTCTCCAGGTTCTAGCCCGTCTGCATCTACCG
	EPATSGSETPGSTSST	GTACCGGCCCAGGTAGCGAACCGGCAACCTCCGGCTCTGAAAC
	AESPGPGSTSSTAESP	TCCAGGTACTTCTGAAAGCGCTACTCCGGAATCCGGCCCAGGT
	GPGTSPSGESSTAPG	AGCGAACCGGCTACTTCCGGCTCTGAAACCCCAGGTTCCACCA
	SEPATSGSETPGSEP	GCTCTACTGCAGAATCTCCGGGCCCAGGTTCTACTAGCTCTACT
	ATSGSETPGTSTEPSE	GCAGAATCTCCGGGTCCAGGTACTTCTCCTAGCGGCGAATCTTC
	GSAPGSTSSTAESPG	TACCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACT
	PGTSTPESGSASPGST	CCAGGTAGCGAACCTGCAACCTCCGGCTCTGAAACCCCAGGTA
	SESPSGTAPGTSTEPS	CTTCTACTGAACCTTCTGAGGGCAGCGCACCAGGTTCTACCAGC
	EGSAPGTSTEPSEGS	TCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCGGAAAG
	APGTSTEPSEGSAPG	CGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTCTGGCA
	SSTPSGATGSPGSSPS	CTGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCGCTCC
	ASTGTGPGASPGTSS	AGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGTACCT
	TGSPGSEPATSGSET	CTACCGAACCTTCTGAAGGTAGCGCACCAGGTAGCTCTACTCCG
	PGTSESATPESGPGSP	TCTGGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCAC
	AGSPTSTEEGSSTPS	TGGTACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTT
	GATGSPGSSPSASTG	CTCCAGGTAGCGAACCTGCTACCTCCGGTTCTGAAACCCCAGGT
	TGPGASPGTSSTGSP	ACCTCTGAAAGCGCAACTCCGGAGTCTGGTCCAGGTAGCCCTG
	GTSESATPESGPGTS	CAGGTTCTCCTACCTCCACTGAGGAAGGTAGCTCTACTCCGTCT
	TEPSEGSAPGTSTEPS	GGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCACTGG
	EGSAPGFPTIPLSRLF	TACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTTCTC
	DNAMLRAHRLHQL	CAGGTACCTCTGAAAGCGCTACTCCGGAGTCTGGCCCAGGTAC
	AFDTYQEFEEAYIPK	CTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTACTTCTACTG
	EQKYSFLQNPQTSLC	AACCGTCCGAAGGTAGCGCACCAGGTTTTCCGACTATTCCGCTG
	FSESIPTPSNREETQQ	TCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCACCGTCTGCA
	KSNLELLRISLLLIQS	CCAGCTGGCCTTTGATACTTACCAGGAATTTGAAGAAGCcTACA
	WLEPVQFLRSVFAN	TTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAACCCACAGACT
	SLVYGASDSNVYDL	TCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTCCAATCGCGA
	LKDLEEGIQTLMGRL	GGAAACTCAGCAAAAGTCCAATCTGGAACTACTCCGCATTTCTC
	EDGSPRTGQIFKQTY	TGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCAATTTCTGCGT
	SKFDTNSHNDDALL	TCCGTCTTCGCCAATAGCCTAGTTTATGGCGCATCCGACAGCAA
	KNYGLLYCFRKDMD	CGTATACGATCTCCTGAAAGATCTCGAGGAAGGCATTCAGACC
	KVETFLRIVQCRSVE	CTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTACTGGTCAGAT
	GSCGFGAPLGLRLR	CTTCAAGCAGACTTACTCTAAATTTGATACTAACAGCCACAATG
	GGGGSEPATSGSETP	ACGATGCGCTTCTAAAAAACTATGGTCTGCTGTATTGTTTTCGT
	GTSESATPESGPGSE	AAAGATATGGACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTG
	PATSGSETPGSPAGS	TCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGGTgcgccgctgggcctg
	PTSTEEGTSTEPSEGS	cgcctgcgcggcggcGGTGGTAGCGAACCGGCAACTTCCGGCTCTGAA
	APGSEPATSGSETPG	ACCCCAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGCCCAGG
	SEPATSGSETPGSEP	TAGCGAACCTGCTACCTCTGGCTCTGAAACCCCAGGTAGCCCG
	ATSGSETPGTSTEPSE	GCAGGCTCTCCGACTTCCACCGAGGAAGGTACCTCTACTGAAC
	GSAPGTSESATPESG	CTTCTGAGGGTAGCGCTCCAGGTAGCGAACCGGCAACCTCTGG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	PGSEPATSGSETPGT STEPSEGSAP	CTCTGAAACCCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAA ACTCCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAACTCCAG GTACCTCTACCGAACCTTCCGAAGGCAGCGCACCAGGTACTTCT GAAAGCGCAACCCCTGAATCCGGTCCAGGTAGCGAACCGGCTA CTTCTGGCTCTGAGACTCCAGGTACTTCTACCGAACCGTCCGAA GGTAGCGCACCA
AM923- hGH- Thrombin- AE288	MAEPAGSPTSTEEGA SPGTSSTGSPGSSTPS GATGSPGSSTPSGAT GSPGTSTEPSEGSAP GSEPATSGSETPGSP AGSPTSTEEGSTSST AESPGPGTSTPESGS ASPGSTSESPSGTAP GSTSESPSGTAPGTS TPESGSASPGTSTPES GSASPGSEPATSGSE TPGTSESATPESGPG SPAGSPTSTEEGTSTE PSEGSAPGTSESATP ESGPGTSTEPSEGSA PGTSTEPSEGSAPGSP AGSPTSTEEGTSTEPS EGSAPGTSTEPSEGS APGTSESATPESGPG TSESATPESGPGTSTE PSEGSAPGTSTEPSE GSAPGTSESATPESG PGTSTEPSEGSAPGS EPATSGSETPGSPAG SPTSTEEGSSTPSGAT GSPGTPGSGTASSSP GSSTPSGATGSPGTS TEPSEGSAPGTSTEPS EGSAPGSEPATSGSE TPGSPAGSPTSTEEG SPAGSPTSTEEGTSTE PSEGSAPGASASGAP STGGTSESATPESGP GSPAGSPTSTEEGSP AGSPTSTEEGSTSST AESPGPGSTSESPSGT APGTSPSGESSTAPG TPGSGTASSSPGSSTP SGATGSPGSSPSAST GTGPGSEPATSGSET PGTSESATPESGPGS EPATSGSETPGSTSST AESPGPGSTSSTAESP GPGTSPSGESSTAPG SEPATSGSETPGSEP ATSGSETPGTSTEPSE GSAPGSTSSTAESPG PGTSTPESGSASPGST SESPSGTAPGTSTEPS EGSAPGTSTEPSEGS APGTSTEPSEGSAPG SSTPSGATGSPGSSPS ASTGTGPGASPGTSS	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTG CATCCCCGGGCACCAGCTCTACCGGTTCTCCAGGTAGCTCTACC CCGTCTGGTGCTACCGGCTCTCCAGGTAGCTCTACCCCGTCTGG TGCTACTGGCTCTCCAGGTACTTCTACTGAACCGTCTGAAGGCA GCGCACCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAACCCC AGGTAGCCCAGCAGGTTCTCCAACTTCTACTGAAGAAGGTTCTA CCAGCTCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCG GAAAGCGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTC TGGCACTGCACCAGGTTCTACTAGCGAATCCCCGTCTGGTACTG CTCCAGGTACTTCTACTCCTGAAAGCGGTTCCGCTTCTCCAGGT ACCTCTACTCCGGAAAGCGGTTCTGCATCTCCAGGTAGCGAACC GGCAACCTCCGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCCGGCCCAGGTAGCCCGGCAGGTTCTCCGACTTC CACTGAGGAAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCT CCAGGTACTTCTGAAAGCGCTACCCCGGAGTCCGGTCCAGGTA CTTCTACTGAACCGTCCGAAGGTAGCGCACCAGGTACTTCTACC GAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCTC CTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGGG TAGCGCACCAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCA CCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTA CTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACCTCTACT GAACCTTCCGAAGGCAGCGCTCCAGGTACCTCTACCGAACCGT CCGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGA ATCCGGTCCAGGTACTTCTACTGAACCTTCCGAAGGTAGCGCTC CAGGTAGCGAACCTGCTACTTCTGGTTCTGAAACCCCAGGTAGC CCGGCTGGCTCTCCGACCTCCACCGAGGAAGGTAGCTCTACCCC GTCTGGTGCTACTGGTTCTCCAGGTACTCCGGGCAGCGGTACTG CTTCTTCCTCTCCAGGTAGCTCTACCCCTTCTGGTGCTACTGGCT CTCCAGGTACCTCTACCGAACCGTCCGAGGGTAGCGCACCAGG TACCTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTAGCGAA CCGGCAACCTCCGGTTCTGAAACTCCAGGTAGCCCTGCTGGCTC TCCGACTTCTACTGAGGAAGGTAGCCCGGCTGGTTCTCCGACTT CTACTGAGGAAGGTACTTCTACCGAACCTTCCGAAGGTAGCGC TCCAGGTGCAAGCGCAAGCGGCGCGCCAAGCACGGGAGGTACT TCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTG GCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCA ACTTCTACTGAAGAAGGTTCTACCAGCTCTACCGCTGAATCTCC TGGCCCAGGTTCTACTAGCGAATCTCCGTCTGGCACCGCACCAG GTACTTCCCCTAGCGGTGAATCTTCTACTGCACCAGGTACCCCT GGCAGCGGTACCGCTTCTTCCTCTCCAGGTAGCTCTACCCCGTC TGGTGCTACTGGCTCTCCAGGTTCTAGCCCGTCTGCATCTACCG GTACCGGCCCAGGTAGCGAACCGGCAACCTCCGGCTCTGAAAC TCCAGGTACTTCTGAAAGCGCTACTCCGGAATCCGGCCCAGGT AGCGAACCGGCTACTTCCGGCTCTGAAACCCCAGGTTCCACCA GCTCTACTGCAGAATCTCCGGGCCCAGGTTCTACTAGCTCTACT GCAGAATCTCCGGGTCCAGGTACTTCTCCTAGCGGCGAATCTTC TACCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACT CCAGGTAGCGAACCTGCAACCTCCGGCTCTGAAACCCCAGGTA CTTCTACTGAACCTTCTGAGGGCAGCGCACCAGGTTCTACCAGC TCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCGGAAAG CGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTCTGGCA CTGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCGCTCC AGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGTACCT

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	TGSPGSEPATSGSET	CTACCGAACCTTCTGAAGGTAGCGCACCAGGTAGCTCTACTCCG
	PGTSESATPESGPGSP	TCTGGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCAC
	AGSPTSTEEGSSTPS	TGGTACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTT
	GATGSPGSSPSASTG	CTCCAGGTAGCGAACCTGCTACCTCCGGTTCTGAAACCCCAGGT
	TGPGASPGTSSTGSP	ACCTCTGAAAGCGCAACTCCGGAGTCTGGTCCAGGTAGCCCTG
	GTSESATPESGPGTS	CAGGTTCTCCTACCTCCACTGAGGAAGGTAGCTCTACTCCGTCT
	TEPSEGSAPGTSTEPS	GGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCACTGG
	EGSAPGFPTIPLSRLF	TACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTTCTC
	DNAMLRAHRLHQL	CAGGTACCTCTGAAAGCGCTACTCCGGAGTCTGGCCCAGGTAC
	AFDTYQEFEEAYIPK	CTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTACTTCTACTG
	EQKYSFLQNPQTSLC	AACCGTCCGAAGGTAGCGCACCAGGTTTTCCGACTATTCCGCTG
	FSESIPTPSNREETQQ	TCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCACCGTCTGCA
	KSNLELLRISLLLIQS	CCAGCTGGCCTTTGATACTTACCAGGAATTTGAAGAAGCcTACA
	WLEPVQFLRSVFAN	TTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAACCCACAGACT
	SLVYGASDSNVYDL	TCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTCCAATCGCGA
	LKDLEEGIQTLMGRL	GGAAACTCAGCAAAAGTCCAATCTGGAACTACTCCGCATTTCTC
	EDGSPRTGQIFKQTY	TGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCAATTTCTGCGT
	SKFDTNSHNDDALL	TCCGTCTTCGCCAATAGCCTAGTTTATGGCGCATCCGACAGCAA
	KNYGLLYCFRKDMD	CGTATACGATCTCCTGAAAGATCTCGAGGAAGGCATTCAGACC
	KVETFLRIVQCRSVE	*CTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTACTGGTCAGAT*
	GSCGFGLTPRSLLVG	CTTCAAGCAGACTTACTCTAAATTTGATACTAACAGCCACAATG
	GGGTSESATPESGPG	ACGATGCGCTTCTAAAAAACTATGGTCTGCTGTATTGTTTTCGT
	SEPATSGSETPGTSES	AAAGATATGGACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTG
	ATPESGPGSEPATSG	TCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGGTctgaccccgcgcagc
	SETPGTSESATPESGP	ctgctggtgggcggcGGTGGTACCTCTGAAAGCGCAACTCCTGAGTCTG
	GTSTEPSEGSAPGSP	GCCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGG
	AGSPTSTEEGTSESA	TACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAA
	TPESGPGSEPATSGS	CCTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGC
	ETPGTSESATPESGP	TACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGG
	GSPAGSPTSTEEGSP	GCAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGA
	AGSPTSTEEGTSTEPS	AGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGT
	EGSAPGTSESATPES	AGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTG
	GPGTSESATPESGPG	AAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTC
	TSESATPESGPGSEP	TCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTT
	ATSGSETPGSEPATS	*CTACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGC*
	GSETPGSPAGSPTST	ACCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGT
	EEGTSTEPSEGSAPG	ACTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGA
	TSTEPSEGSAPGSEP	AAGCGCTACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACT
	ATSGSETPGTSESAT	TCTGGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTC
	PESGPGTSTEPSEGS	TGAAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAG
	AP	GAAGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTA
		CCTCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCT
		GCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTA
		CTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGC
		AGCGCACCA
AM923-hGH-FXIa-AE288	MAEPAGSPTSTEEGA	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTG
	SPGTSSTGSPGSSTPS	CATCCCCGGGCACCAGCTCTACCGGTTCTCCAGGTAGCTCTACC
	GATGSPGSSTPSGAT	CCGTCTGGTGCTACCGGCTCTCCAGGTAGCTCTACCCCGTCTGG
	GSPGTSTEPSEGSAP	TGCTACTGGCTCTCCAGGTACTTCTACTGAACCGTCTGAAGGCA
	GSEPATSGSETPGSP	GCGCACCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAACCCC
	AGSPTSTEEGSTSST	AGGTAGCCCAGCAGGTTCTCCAACTTCTACTGAAGAAGGTTCTA
	AESPGPGTSTPESGS	CCAGCTCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCG
	ASPGSTSESPSGTAP	GAAAGCGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTC
	GSTSESPSGTAPGTS	TGGCACTGCACCAGGTTCTACTAGCGAATCCCCGTCTGGTACTG
	TPESGSASPGTSTPES	CTCCAGGTACTTCTACTCCTGAAAGCGGTTCCGCTTCTCCAGGT
	GSASPGSEPATSGSE	ACCTCTACTCCGGAAAGCGGTTCTGCATCTCCAGGTAGCGAACC
	TPGTSESATPESGPG	GGCAACCTCCGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	SPAGSPTSTEEGTSTE	ACTCCTGAATCCGGCCCAGGTAGCCCGGCAGGTTCTCCGACTTC
	PSEGSAPGTSESATP	CACTGAGGAAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCT

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	ESGPGTSTEPSEGSA	CCAGGTACTTCTGAAAGCGCTACCCCGGAGTCCGGTCCAGGTA
	PGTSTEPSEGSAPGSP	CTTCTACTGAACCGTCCGAAGGTAGCGCACCAGGTACTTCTACC
	AGSPTSTEEGTSTEPS	GAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCTC
	EGSAPGTSTEPSEGS	CTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGGG
	APGTSESATPESGPG	TAGCGCACCAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCA
	TSESATPESGPGTSTE	CCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTA
	PSEGSAPGTSTEPSE	CTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACCTCTACT
	GSAPGTSESATPESG	GAACCTTCCGAAGGCAGCGCTCCAGGTACCTCTACCGAACCGT
	PGTSTEPSEGSAPGS	CCGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGA
	EPATSGSETPGSPAG	ATCCGGTCCAGGTACTTCTACTGAACCTTCCGAAGGTAGCGCTC
	SPTSTEEGSSTPSGAT	CAGGTAGCGAACCTGCTACTTCTGGTTCTGAAACCCCAGGTAGC
	GSPGTPGSGTASSSP	CCGGCTGGCTCTCCGACCTCCACCGAGGAAGGTAGCTCTACCCC
	GSSTPSGATGSPGTS	GTCTGGTGCTACTGGTTCTCCAGGTACTCCGGGCAGCGGTACTG
	TEPSEGSAPGTSTEPS	CTTCTTCCTCTCCAGGTAGCTCTACCCCTTCTGGTGCTACTGGCT
	EGSAPGSEPATSGSE	CTCCAGGTACCTCTACCGAACCGTCCGAGGGTAGCGCACCAGG
	TPGSPAGSPTSTEEG	TACCTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTAGCGAA
	SPAGSPTSTEEGTSTE	CCGGCAACCTCCGGTTCTGAAACTCCAGGTAGCCCTGCTGGCTC
	PSEGSAPGASASGAP	TCCGACTTCTACTGAGGAAGGTAGCCCGGCTGGTTCTCCGACTT
	STGGTSESATPESGP	CTACTGAGGAAGGTACTTCTACCGAACCTTCCGAAGGTAGCGC
	GSPAGSPTSTEEGSP	TCCAGGTGCAAGCGCAAGCGGCGCGCCAAGCACGGGAGGTACT
	AGSPTSTEEGSTSST	TCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTG
	AESPGPGSTSESPSGT	GCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCA
	APGTSPSGESSTAPG	ACTTCTACTGAAGAAGGTTCTACCAGCTCTACCGCTGAATCTCC
	TPGSGTASSSPGSSTP	TGGCCCAGGTTCTACTAGCGAATCTCCGTCTGGCACCGCACCAG
	SGATGSPGSSPSAST	GTACTTCCCCTAGCGGTGAATCTTCTACTGCACCAGGTACCCCT
	GTGPGSEPATSGSET	GGCAGCGGTACCGCTTCTTCCTCTCCAGGTAGCTCTACCCCGTC
	PGTSESATPESGPGS	TGGTGCTACTGGCTCTCCAGGTTCTAGCCCGTCTGCATCTACCG
	EPATSGSETPGSTSST	GTACCGGCCCAGGTAGCGAACCGGCAACCTCCGGCTCTGAAAC
	AESPGPGSTSSTAESP	TCCAGGTACTTCTGAAAGCGCTACTCCGGAATCCGGCCCAGGT
	GPGTSPSGESSTAPG	AGCGAACCGGCTACTTCCGGCTCTGAAACCCCAGGTTCCACCA
	SEPATSGSETPGSEP	GCTCTACTGCAGAATCTCCGGGCCCAGGTTCTACTAGCTCTACT
	ATSGSETPGTSTEPSE	GCAGAATCTCCGGGTCCAGGTACTTCTCCTAGCGGCGAATCTTC
	GSAPGSTSSTAESPG	TACCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACT
	PGTSTPESGSASPGST	CCAGGTAGCGAACCTGCAACCTCCGGCTCTGAAACCCCAGGTA
	SESPSGTAPGTSTEPS	CTTCTACTGAACCTTCTGAGGGCAGCGCACCAGGTTCTACCAGC
	EGSAPGTSTEPSEGS	TCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCGGAAAG
	APGTSTEPSEGSAPG	CGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTCTGGCA
	SSTPSGATGSPGSSPS	CTGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCGCTCC
	ASTGTGPGASPGTSS	AGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGTACCT
	TGSPGSEPATSGSET	CTACCGAACCTTCTGAAGGTAGCGCACCAGGTAGCTCTACTCCG
	PGTSESATPESGPGSP	TCTGGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCAC
	AGSPTSTEEGSSTPS	TGGTACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTT
	GATGSPGSSPSASTG	CTCCAGGTAGCGAACCTGCTACCTCCGGTTCTGAAACCCCAGGT
	TGPGASPGTSSTGSP	ACCTCTGAAAGCGCAACTCCGGAGTCTGGTCCAGGTAGCCCTG
	GTSESATPESGPGTS	CAGGTTCTCCTACCTCCACTGAGGAAGGTAGCTCTACTCCGTCT
	TEPSEGSAPGTSTEPS	GGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCACTGG
	EGSAPGFPTIPLSRLF	TACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTTCTC
	DNAMLRAHRLHQL	CAGGTACCTCTGAAAGCGCTACTCCGGAGTCTGGCCCAGGTAC
	AFDTYQEFEEAYIPK	CTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTACTTCTACTG
	EQKYSFLQNPQTSLC	AACCGTCCGAAGGTAGCGCACCAGGTTTTCCGACTATTCCGCTG
	FSESIPTPSNREETQQ	TCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCACCGTCTGCA
	KSNLELLRISLLLIQS	CCAGCTGGCCTTTGATACTTACCAGGAATTTGAAGAAGCcTACA
	WLEPVQFLRSVFAN	TTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAACCCACAGACT
	SLVYGASDSNVYDL	TCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTCCAATCGCGA
	LKDLEEGIQTLMGRL	GGAAACTCAGCAAAAGTCCAATCTGGAACTACTCCGCATTTCTC
	EDGSPRTGQIFKQTY	TGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCAATTTCTGCGT
	SKFDTNSHNDDALL	TCCGTCTTCGCCAATAGCCTAGTTTATGGCGCATCCGACAGCAA
	KNYGLLYCFRKDMD	CGTATACGATCTCCTGAAAGATCTCGAGGAAGGCATTCAGACC
	KVETFLRIVQCRSVE	CTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTACTGGTCAGAT

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	GSCGFGGGKLTRVV	CTTCAAGCAGACTTACTCTAAATTTGATACTAACAGCCACAATG
	GGGGTSESATPESGP	ACGATGCGCTTCTAAAAAACTATGGTCTGCTGTATTGTTTTCGT
	GSEPATSGSETPGTS	AAAGATATGGACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTG
	ESATPESGPGSEPAT	TCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGGTggcggcaaactgacc
	SGSETPGTSESATPES	cgcgtggtgggcggcGGTGGTACCTCTGAAAGCGCAACTCCTGAGTCT
	GPGTSTEPSEGSAPG	GGCCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAG
	SPAGSPTSTEEGTSES	GTACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGA
	ATPESGPGSEPATSG	ACCTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGC
	SETPGTSESATPESGP	GCTACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGA
	GSPAGSPTSTEEGSP	GGGCAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACC
	AGSPTSTEEGTSTEPS	GAAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAG
	EGSAPGTSESATPES	GTAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCT
	GPGTSESATPESGPG	GAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCT
	TSESATPESGPGSEP	CTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACT
	ATSGSETPGSEPATS	TCTACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCG
	GSETPGSPAGSPTST	CACCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGG
	EEGTSTEPSEGSAPG	TACTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTG
	TSTEPSEGSAPGSEP	AAAGCGCTACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTAC
	ATSGSETPGTSESAT	TTCTGGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTT
	PESGPGTSTEPSEGS	CTGAAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGA
	AP	GGAAGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGT
		ACCTCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAAC
		CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
		ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
		CAGCGCACCA
AM923-hGH-Elastase-AE288	MAEPAGSPTSTEEGA	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTG
	SPGTSSTGSPGSSTPS	CATCCCCGGGCACCAGCTCTACCGGTTCTCCAGGTAGCTCTACC
	GATGSPGSSTPSGAT	CCGTCTGGTGCTACCGGCTCTCCAGGTAGCTCTACCCCGTCTGG
	GSPGTSTEPSEGSAP	TGCTACTGGCTCTCCAGGTACTTCTACTGAACCGTCTGAAGGCA
	GSEPATSGSETPGSP	GCGCACCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAACCCC
	AGSPTSTEEGSTSST	AGGTAGCCCAGCAGGTTCTCCAACTTCTACTGAAGAAGGTTCTA
	AESPGPGTSTPESGS	CCAGCTCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCG
	ASPGSTSESPSGTAP	GAAAGCGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTC
	GSTSESPSGTAPGTS	TGGCACTGCACCAGGTTCTACTAGCGAATCCCCGTCTGGTACTG
	TPESGSASPGTSTPES	CTCCAGGTACTTCTACTCCTGAAAGCGGTTCCGCTTCTCCAGGT
	GSASPGSEPATSGSE	ACCTCTACTCCGGAAAGCGGTTCTGCATCTCCAGGTAGCGAACC
	TPGTSESATPESGPG	GGCAACCTCCGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	SPAGSPTSTEEGTSTE	ACTCCTGAATCCGGCCCAGGTAGCCCGGCAGGTTCTCCGACTTC
	PSEGSAPGTSESATP	CACTGAGGAAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCT
	ESGPGTSTEPSEGSA	CCAGGTACTTCTGAAAGCGCTACCCCGGAGTCCGGTCCAGGTA
	PGTSTEPSEGSAPGSP	CTTCTACTGAACCGTCCGAAGGTAGCGCACCAGGTACTTCTACC
	AGSPTSTEEGTSTEPS	GAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCTC
	EGSAPGTSTEPSEGS	CTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGGG
	APGTSESATPESGPG	TAGCGCACCAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCA
	TSESATPESGPGTSTE	CCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTA
	PSEGSAPGTSTEPSE	CTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACCTCTACT
	GSAPGTSESATPESG	GAACCTTCCGAAGGCAGCGCTCCAGGTACCTCTACCGAACCGT
	PGTSTEPSEGSAPGS	CCGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGA
	EPATSGSETPGSPAG	ATCCGGTCCAGGTACTTCTACTGAACCTTCCGAAGGTAGCGCTC
	SPTSTEEGSSTPSGAT	CAGGTAGCGAACCTGCTACTTCTGGTTCTGAAACCCCAGGTAGC
	GSPGTPGSGTASSSP	CCGGCTGGCTCTCCGACCTCCACCGAGGAAGGTAGCTCTACCCC
	GSSTPSGATGSPGTS	GTCTGGTGCTACTGGTTCTCCAGGTACTCCGGGCAGCGGTACTG
	TEPSEGSAPGTSTEPS	CTTCTTCCTCTCCAGGTAGCTCTACCCCTTCTGGTGCTACTGGCT
	EGSAPGSEPATSGSE	CTCCAGGTACCTCTACCGAACCGTCCGAGGGTAGCGCACCAGG
	TPGSPAGSPTSTEEG	TACCTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTAGCGAA
	SPAGSPTSTEEGTSTE	CCGGCAACCTCCGGTTCTGAAACTCCAGGTAGCCCTGCTGGCTC
	PSEGSAPGASASGAP	TCCGACTTCTACTGAGGAAGGTAGCCCGGCTGGTTCTCCGACTT
	STGGTSESATPESGP	CTACTGAGGAAGGTACTTCTACCGAACCTTCCGAAGGTAGCGC
	GSPAGSPTSTEEGSP	TCCAGGTGCAAGCGCAAGCGGCGCGCCAAGCACGGGAGGTACT

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	AGSPTSTEEGSTSST	TCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTG
	AESPGPGSTSESPSGT	GCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCA
	APGTSPSGESSTAPG	ACTTCTACTGAAGAAGGTTCTACCAGCTCTACCGCTGAATCTCC
	TPGSGTASSSPGSSTP	TGGCCCAGGTTCTACTAGCGAATCTCCGTCTGGCACCGCACCAG
	SGATGSPGSSPSAST	GTACTTCCCCTAGCGGTGAATCTTCTACTGCACCAGGTACCCCT
	GTGPGSEPATSGSET	GGCAGCGGTACCGCTTCTTCCTCTCCAGGTAGCTCTACCCCGTC
	PGTSESATPESGPGS	TGGTGCTACTGGCTCTCCAGGTTCTAGCCCGTCTGCATCTACCG
	EPATSGSETPGSTSST	GTACCGGCCCAGGTAGCGAACCGGCAACCTCCGGCTCTGAAAC
	AESPGPGSTSSTAESP	TCCAGGTACTTCTGAAAGCGCTACTCCGGAATCCGGCCCAGGT
	GPGTSPSGESSTAPG	AGCGAACCGGCTACTTCCGGCTCTGAAACCCCAGGTTCCACCA
	SEPATSGSETPGSEP	GCTCTACTGCAGAATCTCCGGGCCCAGGTTCTACTAGCTCTACT
	ATSGSETPGTSTEPSE	GCAGAATCTCCGGGTCCAGGTACTTCTCCTAGCGGCGAATCTTC
	GSAPGSTSSTAESPG	TACCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACT
	PGTSTPESGSASPGST	CCAGGTAGCGAACCTGCAACCTCCGGCTCTGAAACCCCAGGTA
	SESPSGTAPGTSTEPS	CTTCTACTGAACCTTCTGAGGGCAGCGCACCAGGTTCTACCAGC
	EGSAPGTSTEPSEGS	TCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCGGAAAG
	APGTSTEPSEGSAPG	CGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTCTGGCA
	SSTPSGATGSPGSSPS	CTGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCGCTCC
	ASTGTGPGASPGTSS	AGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGTACCT
	TGSPGSEPATSGSET	CTACCGAACCTTCTGAAGGTAGCGCACCAGGTAGCTCTACTCCG
	PGTSESATPESGPGSP	TCTGGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCAC
	AGSPTSTEEGSSTPS	TGGTACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTT
	GATGSPGSSPSASTG	CTCCAGGTAGCGAACCTGCTACCTCCGGTTCTGAAACCCCAGGT
	TGPGASPGTSSTGSP	ACCTCTGAAAGCGCAACTCCGGAGTCTGGTCCAGGTAGCCCTG
	GTSESATPESGPGTS	CAGGTTCTCCTACCTCCACTGAGGAAGGTAGCTCTACTCCGTCT
	TEPSEGSAPGTSTEPS	GGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCACTGG
	EGSAPGFPTIPLSRLF	TACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTTCTC
	DNAMLRAHRLHQL	CAGGTACCTCTGAAAGCGCTACTCCGGAGTCTGGCCCAGGTAC
	AFDTYQEFEEAYIPK	CTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTACTTCTACTG
	EQKYSFLQNPQTSLC	AACCGTCCGAAGGTAGCGCACCAGGTTTTCCGACTATTCCGCTG
	FSESIPTPSNREETQQ	TCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCACCGTCTGCA
	KSNLELLRISLLLIQS	CCAGCTGGCCTTTGATACTTACCAGGAATTTGAAGAAGCcTACA
	WLEPVQFLRSVFAN	TTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAACCCACAGACT
	SLVYGASDSNVYDL	TCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTCCAATCGCGA
	LKDLEEGIQTLMGRL	GGAAACTCAGCAAAAGTCCAATCTGGAACTACTCCGCATTTCTC
	EDGSPRTGQIFKQTY	TGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCAATTTCTGCGT
	SKFDTNSHNDDALL	TCCGTCTTCGCCAATAGCCTAGTTTATGGCGCATCCGACAGCAA
	KNYGLLYCFRKDMD	CGTATACGATCTCCTGAAAGATCTCGAGGAAGGCATTCAGACC
	KVETFLRIVQCRSVE	CTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTACTGGTCAGAT
	GSCGFGGGLGPVSG	CTTCAAGCAGACTTACTCTAAATTTGATACTAACAGCCACAATG
	VPGGTSESATPESGP	ACGATGCGCTTCTAAAAAACTATGGTCTGCTGTATTGTTTTCGT
	GSEPATSGSETPGTS	AAAGATATGGACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTG
	ESATPESGPGSEPAT	TCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGGTggcggcctgggcccg
	SGSETPGTSESATPES	gtgagcggcgtgccgGGTGGTACCTCTGAAAGCGCAACTCCTGAGTCTG
	GPGTSTEPSEGSAPG	GCCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGG
	SPAGSPTSTEEGTSES	TACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAA
	ATPESGPGSEPATSG	CCTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGC
	SETPGTSESATPESGP	TACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGG
	GSPAGSPTSTEEGSP	GCAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGA
	AGSPTSTEEGTSTEPS	AGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGT
	EGSAPGTSESATPES	AGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCTG
	GPGTSESATPESGPG	AAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTC
	TSESATPESGPGSEP	TCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTT
	ATSGSETPGSEPATS	CTACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCGC
	GSETPGSPAGSPTST	ACCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGT
	EEGTSTEPSEGSAPG	ACTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTGA
	TSTEPSEGSAPGSEP	AAGCGCTACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTACT
	ATSGSETPGTSESAT	TCTGGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTTC
	PESGPGTSTEPSEGS	TGAAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGAG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	AP	GAAGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGTA CCTCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCT GCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTA CTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGC AGCGCACCA
AM923-hGH-MMP-17-AE288	MAEPAGSPTSTEEGA	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTG
	SPGTSSTGSPGSSTPS	CATCCCCGGGCACCAGCTCTACCGGTTCTCCAGGTAGCTCTACC
	GATGSPGSSTPSGAT	CCGTCTGGTGCTACCGGCTCTCCAGGTAGCTCTACCCCGTCTGG
	GSPGTSTEPSEGSAP	TGCTACTGGCTCTCCAGGTACTTCTACTGAACCGTCTGAAGGCA
	GSEPATSGSETPGSP	GCGCACCAGGTAGCGAACCGGCTACTTCCGGTTCTGAAACCCC
	AGSPTSTEEGSTSST	AGGTAGCCCAGCAGGTTCTCCAACTTCTACTGAAGAAGGTTCTA
	AESPGPGTSTPESGS	CCAGCTCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCG
	ASPGSTSESPSGTAP	GAAAGCGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTC
	GSTSESPSGTAPGTS	TGGCACTGCACCAGGTTCTACTAGCGAATCCCCGTCTGGTACTG
	TPESGSASPGTSTPES	CTCCAGGTACTTCTACTCCTGAAAGCGGTTCCGCTTCTCCAGGT
	GSASPGSEPATSGSE	ACCTCTACTCCGGAAAGCGGTTCTGCATCTCCAGGTAGCGAACC
	TPGTSESATPESGPG	GGCAACCTCCGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	SPAGSPTSTEEGTSTE	ACTCCTGAATCCGGCCCAGGTAGCCCGGCAGGTTCTCCGACTTC
	PSEGSAPGTSESATP	CACTGAGGAAGGTACCTCTACTGAACCTTCTGAGGGCAGCGCT
	ESGPGTSTEPSEGSA	CCAGGTACTTCTGAAAGCGCTACCCCGGAGTCCGGTCCAGGTA
	PGTSTEPSEGSAPGSP	CTTCTACTGAACCGTCCGAAGGTAGCGCACCAGGTACTTCTACC
	AGSPTSTEEGTSTEPS	GAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCTC
	EGSAPGTSTEPSEGS	CTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGGG
	APGTSESATPESGPG	TAGCGCACCAGGTACTTCTACCGAACCTTCCGAGGGCAGCGCA
	TSESATPESGPGTSTE	CCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTA
	PSEGSAPGTSTEPSE	CTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACCTCTACT
	GSAPGTSESATPESG	GAACCTTCCGAAGGCAGCGCTCCAGGTACCTCTACCGAACCGT
	PGTSTEPSEGSAPGS	CCGAGGGCAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGA
	EPATSGSETPGSPAG	ATCCGGTCCAGGTACTTCTACTGAACCTTCCGAAGGTAGCGCTC
	SPTSTEEGSSTPSGAT	CAGGTAGCGAACCTGCTACTTCTGGTTCTGAAACCCCAGGTAGC
	GSPGTPGSGTASSSP	CCGGCTGGCTCTCCGACCTCCACCGAGGAAGGTAGCTCTACCCC
	GSSTPSGATGSPGTS	GTCTGGTGCTACTGGTTCTCCAGGTACTCCGGGCAGCGGTACTG
	TEPSEGSAPGTSTEPS	CTTCTTCCTCTCCAGGTAGCTCTACCCCTTCTGGTGCTACTGGCT
	EGSAPGSEPATSGSE	CTCCAGGTACCTCTACCGAACCGTCCGAGGGTAGCGCACCAGG
	TPGSPAGSPTSTEEG	TACCTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTAGCGAA
	SPAGSPTSTEEGTSTE	CCGGCAACCTCCGGTTCTGAAACTCCAGGTAGCCCTGCTGGCTC
	PSEGSAPGASASGAP	TCCGACTTCTACTGAGGAAGGTAGCCCGGCTGGTTCTCCGACTT
	STGGTSESATPESGP	CTACTGAGGAAGGTACTTCTACCGAACCTTCCGAAGGTAGCGC
	GSPAGSPTSTEEGSP	TCCAGGTGCAAGCGCAAGCGGCGCGCCAAGCACGGGAGGTACT
	AGSPTSTEEGSTSST	TCTGAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTG
	AESPGPGSTSESPSGT	GCTCTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCA
	APGTSPSGESSTAPG	ACTTCTACTGAAGAAGGTTCTACCAGCTCTACCGCTGAATCTCC
	TPGSGTASSSPGSSTP	TGGCCCAGGTTCTACTAGCGAATCTCCGTCTGGCACCGCACCAG
	SGATGSPGSSPSAST	GTACTTCCCCTAGCGGTGAATCTTCTACTGCACCAGGTACCCCT
	GTGPGSEPATSGSET	GGCAGCGGTACCGCTTCTTCCTCTCCAGGTAGCTCTACCCCGTC
	PGTSESATPESGPGS	TGGTGCTACTGGCTCTCCAGGTTCTAGCCCGTCTGCATCTACCG
	EPATSGSETPGSTSST	GTACCGGCCCAGGTAGCGAACCGGCAACCTCCGGCTCTGAAAC
	AESPGPGSTSSTAESP	TCCAGGTACTTCTGAAAGCGCTACTCCGGAATCCGGCCCAGGT
	GPGTSPSGESSTAPG	AGCGAACCGGCTACTTCCGGCTCTGAAACCCCAGGTTCCACCA
	SEPATSGSETPGSEP	GCTCTACTGCAGAATCTCCGGGCCCAGGTTCTACTAGCTCTACT
	ATSGSETPGTSTEPSE	GCAGAATCTCCGGGTCCAGGTACTTCTCCTAGCGGCGAATCTTC
	GSAPGSTSSTAESPG	TACCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACT
	PGTSTPESGSASPGST	CCAGGTAGCGAACCTGCAACCTCCGGCTCTGAAACCCCAGGTA
	SESPSGTAPGTSTEPS	CTTCTACTGAACCTTCTGAGGGCAGCGCACCAGGTTCTACCAGC
	EGSAPGTSTEPSEGS	TCTACCGCAGAATCTCCTGGTCCAGGTACCTCTACTCCGGAAAG
	APGTSTEPSEGSAPG	CGGCTCTGCATCTCCAGGTTCTACTAGCGAATCTCCTTCTGGCA
	SSTPSGATGSPGSSPS	CTGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCGCTCC
	ASTGTGPGASPGTSS	AGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGTACCT
	TGSPGSEPATSGSET	CTACCGAACCTTCTGAAGGTAGCGCACCAGGTAGCTCTACTCCG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	PGTSESATPESGPGSP AGSPTSTEEGSSTPS GATGSPGSSPSASTG TGPGASPGTSSTGSP GTSESATPESGPGTS TEPSEGSAPGTSTEPS EGSAPGFPTIPLSRLF DNAMLRAHRLHQL AFDTYQEFEEAYIPK EQKYSFLQNPQTSLC FSESIPTPSNREETQQ KSNLELLRISLLLIQS WLEPVQFLRSVFAN SLVYGASDSNVYDL *LKDLEEGIQTLMGRL* EDGSPRTGQIFKQTY SKFDTNSHNDDALL KNYGLLYCFRKDMD KVETFLRIVQCRSVE GSCGFGAPLGLRLR GGGGTSESATPESGP GSEPATSGSETPGTS ESATPESGPGSEPAT SGSETPGTSESATPES GPGTSTEPSEGSAPG SPAGSPTSTEEGTSES ATPESGPGSEPATSG SETPGTSESATPESGP GSPAGSPTSTEEGSP AGSPTSTEEGTSTEPS EGSAPGTSESATPES GPGTSESATPESGPG TSESATPESGPGSEP ATSGSETPGSEPATS GSETPGSPAGSPTST EEGTSTEPSEGSAPG TSTEPSEGSAPGSEP ATSGSETPGTSESAT PESGPGTSTEPSEGS AP	TCTGGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCAC TGGTACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTT CTCCAGGTAGCGAACCTGCTACCTCCGGTTCTGAAACCCCAGGT ACCTCTGAAAGCGCAACTCCGGAGTCTGGTCCAGGTAGCCCTG CAGGTTCTCCTACCTCCACTGAGGAAGGTAGCTCTACTCCGTCT GGTGCAACCGGCTCCCCAGGTTCTAGCCCGTCTGCTTCCACTGG TACTGGCCCAGGTGCTTCCCCGGGCACCAGCTCTACTGGTTCTC CAGGTACCTCTGAAAGCGCTACTCCGGAGTCTGGCCCAGGTAC CTCTACTGAACCGTCTGAGGGTAGCGCTCCAGGTACTTCTACTG AACCGTCCGAAGGTAGCGCACCAGGTTTTCCGACTATTCCGCTG TCTCGTCTGTTTGATAATGCTATGCTGCGTGCGCACCGTCTGCA CCAGCTGGCCTTTGATACTTACCAGGAATTTGAAGAAGCcTACA TTCCTAAAGAGCAGAAGTACTCTTTCCTGCAAAACCCACAGACT TCTCTCTGCTTCAGCGAATCTATTCCGACGCCTTCCAATCGCGA *GGAAACTCAGCAAAAGTCCAATCTGGAACTACTCCGCATTTCTC* TGCTTCTGATTCAGAGCTGGCTAGAACCAGTGCAATTTCTGCGT TCCGTCTTCGCCAATAGCCTAGTTTATGGCGCATCCGACAGCAA CGTATACGATCTCCTGAAAGATCTCGAGGAAGGCATTCAGACC CTGATGGGTCGTCTCGAGGATGGCTCTCCGCGTACTGGTCAGAT CTTCAAGCAGACTTACTCTAAATTTGATACTAACAGCCACAATG ACGATGCGCTTCTAAAAAACTATGGTCTGCTGTATTGTTTTCGT AAAGATATGGACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTG TCGTTCCGTTGAGGGCAGCTGTGGTTTCTAAGGTgcgccgctgggcctg cgcctgcgcggcggcGGTGGTACCTCTGAAAGCGCAACTCCTGAGTCT GGCCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAG GTACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGA ACCTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGC GCTACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGA GGGCAGCGCACCAGGTAGCCCTGCTGGCTCTCCAACCTCCACC GAAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAG GTAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACTTCT GAAAGCGCTACTCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCT CTCCGACTTCCACCGAGGAAGGTAGCCCGGCTGGCTCTCCAACT TCTACTGAAGAAGGTACTTCTACCGAACCTTCCGAGGGCAGCG CACCAGGTACTTCTGAAAGCGCTACCCCTGAGTCCGGCCCAGG TACTTCTGAAAGCGCTACTCCTGAATCCGGTCCAGGTACTTCTG AAAGCGCTACCCCGGAATCTGGCCCAGGTAGCGAACCGGCTAC TTCTGGTTCTGAAACCCCAGGTAGCGAACCGGCTACCTCCGGTT CTGAAACTCCAGGTAGCCCAGCAGGCTCTCCGACTTCCACTGA GGAAGGTACTTCTACTGAACCTTCCGAAGGCAGCGCACCAGGT ACCTCTACTGAACCTTCTGAGGGCAGCGCTCCAGGTAGCGAAC CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG CAGCGCACCA
AE624-hGH-Thrombin-AE144	MAEPAGSPTSTEEGT PGSGTASSSPGSSTPS GATGSPGASPGTSST GSPGSPAGSPTSTEE GTSESATPESGPGTS TEPSEGSAPGSPAGS PTSTEEGTSTEPSEGS APGTSTEPSEGSAPG TSESATPESGPGSEP ATSGSETPGSEPATS GSETPGSPAGSPTST EEGTSESATPESGPG TSTEPSEGSAPGTSTE PSEGSAPGSPAGSPT STEEGTSTEPSEGSAP	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA

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	GTSTEPSEGSAPGTS	GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT
	ESATPESGPGTSTEPS	CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC
	EGSAPGTSESATPES	GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA
	GPGSEPATSGSETPG	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC
	TSTEPSEGSAPGTSTE	GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG
	PSEGSAPGTSESATP	GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT
	ESGPGTSESATPESG	ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG
	PGSPAGSPTSTEEGT	CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC
	SESATPESGPGSEPA	GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG
	TSGSETPGTSESATPE	AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG
	SGPGTSTEPSEGSAP	TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT
	GTSTEPSEGSAPGTS	GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC
	TEPSEGSAPGTSTEPS	CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA
	EGSAPGTSTEPSEGS	GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG
	APGTSTEPSEGSAPG	CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT
	SPAGSPTSTEEGTSTE	ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC
	PSEGSAPGTSESATP	CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT
	ESGPGSEPATSGSET	CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG
	PGTSESATPESGPGS	GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	EPATSGSETPGTSES	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	ATPESGPGTSTEPSE	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSAPGTSESATPESG	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	PGSPAGSPTSTEEGSP	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC
	FPTIPLSRLFDNAML	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	RAHRLHQLAFDTYQ	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	EFEEAYIPKEQKYSF	GCAGCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTT
	LQNPQTSLCFSESIPT	GATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTT
	PSNREETQQKSNLEL	TGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGC
	LRISLLLIQSWLEPVQ	AGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTC
	FLRSVFANSLVYGAS	AGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGC
	DSNVYDLLKDLEEGI	AAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATT
	QTLMGRLEDGSPRT	CAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGC
	GQIFKQTYSKFDTNS	CAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGAT
	HNDDALLKNYGLLY	CTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTC
	CFRKDMDKVETFLRI	GTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAG
	VQCRSVEGSCGFGL	ACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCT
	TPRSLLVGGGGSEPA	TCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGG
	TSGSETPGTSESATPE	ACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTT
	SGPGSEPATSGSETP	GAGGGCAGCTGTGGTTTCTAAGGTctgaccccgcgcagcctgctggtgggcggc
	GSPAGSPTSTEEGTS	GGTGGTAGCGAACCGGCAACTTCCGGCTCTGAAACCCCAGGTA
	TEPSEGSAPGSEPAT	CTTCTGAAAGCGCTACTCCTGAGTCTGGCCCAGGTAGCGAACCT
	SGSETPGSEPATSGS	GCTACCTCTGGCTCTGAAACCCCAGGTAGCCCGGCAGGCTCTCC
	ETPGSEPATSGSETP	GACTTCCACCGAGGAAGGTACCTCTACTGAACCTTCTGAGGGT
	GTSTEPSEGSAPGTS	AGCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAACCC
	ESATPESGPGSEPAT	CAGGTAGCGAACCTGCTACCTCCGGCTCTGAAACTCCAGGTAG
	SGSETPGTSTEPSEGS	CGAACCGGCTACTTCCGGTTCTGAAACTCCAGGTACCTCTACCG
	AP	AACCTTCCGAAGGCAGCGCACCAGGTACTTCTGAAAGCGCAAC
		CCCTGAATCCGGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTG
		AGACTCCAGGTACTTCTACCGAACCGTCCGAAGGTAGCGCACC
		A
AE624-hGH-FXIa-AE144	MAEPAGSPTSTEEGT	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA
	PGSGTASSSPGSSTPS	CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC
	GATGSPGASPGTSST	CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG
	GSPGSPAGSPTSTEE	CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA
	GTSESATPESGPGTS	CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA
	TEPSEGSAPGSPAGS	GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC

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	PTSTEEGTSTEPSEGS	CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA
	APGTSTEPSEGSAPG	CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA
	TSESATPESGPGSEP	GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT
	ATSGSETPGSEPATS	GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG
	GSETPGSPAGSPTST	GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC
	EEGTSESATPESGPG	GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC
	TSTEPSEGSAPGTSTE	GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG
	PSEGSAPGSPAGSPT	AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG
	STEEGTSTEPSEGSAP	CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA
	GTSTEPSEGSAPGTS	GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT
	ESATPESGPGTSTEPS	CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC
	EGSAPGTSESATPES	GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA
	GPGSEPATSGSETPG	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC
	TSTEPSEGSAPGTSTE	GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG
	PSEGSAPGTSESATP	GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT
	ESGPGTSESATPESG	ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG
	PGSPAGSPTSTEEGT	CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC
	SESATPESGPGSEPA	GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG
	TSGSETPGTSESATPE	AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG
	SGPGTSTEPSEGSAP	TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT
	GTSTEPSEGSAPGTS	GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC
	TEPSEGSAPGTSTEPS	CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA
	EGSAPGTSTEPSEGS	GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG
	APGTSTEPSEGSAPG	CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT
	SPAGSPTSTEEGTSTE	ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC
	PSEGSAPGTSESATP	CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT
	ESGPGSEPATSGSET	CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG
	PGTSESATPESGPGS	GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	EPATSGSETPGTSES	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	ATPESGPGTSTEPSE	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSAPGTSESATPESG	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	PGSPAGSPTSTEEGSP	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC
	FPTIPLSRLFDNAML	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	RAHRLHQLAFDTYQ	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	EFEEAYIPKEQKYSF	GCAGCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTT
	LQNPQTSLCFSESIPT	GATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTT
	PSNREETQQKSNLEL	TGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGC
	LRISLLLIQSWLEPVQ	AGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTC
	FLRSVFANSLVYGAS	AGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGC
	DSNVYDLLKDLEEGI	AAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATT
	QTLMGRLEDGSPRT	CAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGC
	GQIFKQTYSKFDTNS	CAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGAT
	HNDDALLKNYGLLY	CTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTC
	CFRKDMDKVETFLRI	GTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAG
	VQCRSVEGSCGFGG	ACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCT
	GKLTRVVGGGGSEP	TCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGG
	ATSGSETPGTSESAT	ACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTT
	PESGPGSEPATSGSE	GAGGGCAGCTGTGGTTTCTAAGGTggcggcaaactgacccgcgtggtgggcgg
	TPGSPAGSPTSTEEG	cGGTGGTAGCGAACCGGCAACTTCCGGCTCTGAAACCCCAGGT
	TSTEPSEGSAPGSEP	ACTTCTGAAAGCGCTACTCCTGAGTCTGGCCCAGGTAGCGAAC
	ATSGSETPGSEPATS	CTGCTACCTCTGGCTCTGAAACCCCAGGTAGCCCGGCAGGCTCT
	GSETPGSEPATSGSE	CCGACTTCCACCGAGGAAGGTACCTCTACTGAACCTTCTGAGG
	TPGTSTEPSEGSAPG	GTAGCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAAC
	TSESATPESGPGSEP	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAAACTCCAGGT
	ATSGSETPGTSTEPSE	AGCGAACCGGCTACTTCCGGTTCTGAAACTCCAGGTACCTCTAC
	GSAP	CGAACCTTCCGAAGGCAGCGCACCAGGTACTTCTGAAAGCGCA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
		ACCCCTGAATCCGGTCCAGGTAGCGAACCGGCTACTTCTGGCTC TGAGACTCCAGGTACTTCTACCGAACCGTCCGAAGGTAGCGCA CCA
AE624- hGH- Elastase- AE144	MAEPAGSPTSTEEGT PGSGTASSSPGSSTPS GATGSPGASPGTSST GSPGSPAGSPTSTEE GTSESATPESGPGTS TEPSEGSAPGSPAGS PTSTEEGTSTEPSEGS APGTSTEPSEGSAPG TSESATPESGPGSEP ATSGSETPGSEPATS GSETPGSPAGSPTST EEGTSESATPESGPG TSTEPSEGSAPGTSTE PSEGSAPGSPAGSPT STEEGTSTEPSEGSAP GTSTEPSEGSAPGTS ESATPESGPGTSTEPS EGSAPGTSESATPES GPGSEPATSGSETPG TSTEPSEGSAPGTSTE PSEGSAPGTSESATP ESGPGTSESATPESG PGSPAGSPTSTEEGT SESATPESGPGSEPA TSGSETPGTSESATPE SGPGTSTEPSEGSAP GTSTEPSEGSAPGTS TEPSEGSAPGTSTEPS EGSAPGTSTEPSEGS APGTSTEPSEGSAPG SPAGSPTSTEEGTSTE PSEGSAPGTSESATP ESGPGSEPATSGSET PGTSESATPESGPGS EPATSGSETPGTSES ATPESGPGTSTEPSE GSAPGTSESATPESG PGSPAGSPTSTEEGSP AGSPTSTEEGSPAGS PTSTEEGTSESATPES GPGTSTEPSEGSAPG FPTIPLSRLFDNAML RAHRLHQLAFDTYQ EFEEAYIPKEQKYSF LQNPQTSLCFSESIPT PSNREETQQKSNLEL LRISLLLIQSWLEPVQ FLRSVFANSLVYGAS DSNVYDLLKDLEEGI QTLMGRLEDGSPRT GQIFKQTYSKFDTNS HNDDALLKNYGLLY CFRKDMDKVETFLRI VQCRSVEGSCGFGG GLGPVSGVPGGSEPA TSGSETPGTSESATPE	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT ACCTCTGAAAGCGCAACCCCCGGAATCTGGTCCAGGTAGCGAAC CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG GCAGCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTT GATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTT TGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGC AGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTC AGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGC AAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATT CAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGC CAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGAT CTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTC GTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAG ACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCT TCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGG ACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTT

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	SGPGSEPATSGSETP GSPAGSPTSTEEGTS TEPSEGSAPGSEPAT SGSETPGSEPATSGS ETPGSEPATSGSETP GTSTEPSEGSAPGTS ESATPESGPGSEPAT SGSETPGTSTEPSEGS AP	GAGGGCAGCTGTGGTTTCTAAGGTggcggcctgggcccggtgagcggcgtgcc gGGTGGTAGCGAACCGGCAACTTCCGGCTCTGAAACCCCAGGT ACTTCTGAAAGCGCTACTCCTGAGTCTGGCCCAGGTAGCGAAC CTGCTACCTCTGGCTCTGAAACCCCAGGTAGCCCGGCAGGCTCT CCGACTTCCACCGAGGAAGGTACCTCTACTGAACCTTCTGAGG GTAGCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAAC CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAAACTCCAGGT AGCGAACCGGCTACTTCCGGTTCTGAAACTCCAGGTACCTCTAC CGAACCTTCCGAAGGCAGCGCACCAGGTACTTCTGAAAGCGCA ACCCCTGAATCCGGTCCAGGTAGCGAACCGGCTACTTCTGGCTC TGAGACTCCAGGTACTTCTACCGAACCGTCCGAAGGTAGCGCA CCA
AE624-hGH-MMP-17-AE144	MAEPAGSPTSTEEGT PGSGTASSSPGSSTPS GATGSPGASPGTSST GSPGSPAGSPTSTEE GTSESATPESGPGTS TEPSEGSAPGSPAGS PTSTEEGTSTEPSEGS APGTSTEPSEGSAPG TSESATPESGPGSEP ATSGSETPGSEPATS GSETPGSPAGSPTST EEGTSESATPESGPG TSTEPSEGSAPGTSTE PSEGSAPGSPAGSPT STEEGTSTEPSEGSAP GTSTEPSEGSAPGTS ESATPESGPGTSTEPS EGSAPGTSESATPES GPGSEPATSGSETPG TSTEPSEGSAPGTSTE PSEGSAPGTSESATP ESGPGTSESATPESG PGSPAGSPTSTEEGT SESATPESGPGSEPA TSGSETPGTSESATPE SGPGTSTEPSEGSAP GTSTEPSEGSAPGTS TEPSEGSAPGTSTEPS EGSAPGTSTEPSEGS APGTSTEPSEGSAPG SPAGSPTSTEEGTSTE PSEGSAPGTSESATP ESGPGSEPATSGSET PGTSESATPESGPGS EPATSGSETPGTSES ATPESGPGTSTEPSE GSAPGTSESATPESG PGSPAGSPTSTEEGSP AGSPTSTEEGSPAGS PTSTEEGTSESATPES GPGTSTEPSEGSAPG FPTIPLSRLFDNAML RAHRLHQLAFDTYQ EFEEAYIPKEQKYSF LQNPQTSLCFSESIPT PSNREETQQKSNLEL LRISLLLIQSWLEPVQ	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG GCAGCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTT GATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTT TGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGC AGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	FLRSVFANSLVYGAS DSNVYDLLKDLEEGI QTLMGRLEDGSPRT GQIFKQTYSKFDTNS HNDDALLKNYGLLY CFRKDMDKVETFLRI VQCRSVEGSCGFGA PLGLRLRGGGGSEPA TSGSETPGTSESATPE SGPGSEPATSGSETP GSPAGSPTSTEEGTS TEPSEGSAPGSEPAT SGSETPGSEPATSGS ETPGSEPATSGSETP GTSTEPSEGSAPGTS ESATPESGPGSEPAT SGSETPGTSTEPSEGS AP	AGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGC AAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATT CAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGC CAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGAT CTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTC GTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAG ACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCT TCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGG ACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTT GAGGGCAGCTGTGGTTTCTAAGGTgcgccgctgggcctgcgcctgcgcggcgg cGGTGGTAGCGAACCGGCAACTTCCGGCTCTGAAACCCCAGGT ACTTCTGAAAGCGCTACTCCTGAGTCTGGCCCAGGTAGCGAAC CTGCTACCTCTGGCTCTGAAACCCCAGGTAGCCCGGCAGGCTCT CCGACTTCCACCGAGGAAGGTACCTCTACTGAACCTTCTGAGG GTAGCGCTCCAGGTAGCGAACCGGCAACCTCTGGCTCTGAAAC CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAAACTCCAGGT AGCGAACCGGCTACTTCCGGTTCTGAAACTCCAGGTACCTCTAC CGAACCTTCCGAAGGCAGCGCACCAGGTACTTCTGAAAGCGCA ACCCCTGAATCCGGTCCAGGTAGCGAACCGGCTACTTCTGGCTC TGAGACTCCAGGTACTTCTACCGAACCGTCCGAAGGTAGCGCA CCA
AE624-hGH-Thrombin-AE288	MAEPAGSPTSTEEGT PGSGTASSSPGSSTPS GATGSPGASPGTSST GSPGSPAGSPTSTEE GTSESATPESGPGTS TEPSEGSAPGSPAGS PTSTEEGTSTEPSEGS APGTSTEPSEGSAPG TSESATPESGPGSEP ATSGSETPGSEPATS GSETPGSPAGSPTST EEGTSESATPESGPG TSTEPSEGSAPGTSTE PSEGSAPGSPAGSPT STEEGTSTEPSEGSAP GTSTEPSEGSAPGTS ESATPESGPGTSTEPS EGSAPGTSESATPES GPGSEPATSGSETPG TSTEPSEGSAPGTSTE PSEGSAPGTSESATP ESGPGTSESATPESG PGSPAGSPTSTEEGT SESATPESGPGSEPA TSGSETPGTSESATPE SGPGTSTEPSEGSAP GTSTEPSEGSAPGTS TEPSEGSAPGTSTEPS EGSAPGTSTEPSEGS APGTSTEPSEGSAPG SPAGSPTSTEEGTSTE PSEGSAPGTSESATP ESGPGSEPATSGSET PGTSESATPESGPGS EPATSGSETPGTSES ATPESGPGTSTEPSE GSAPGTSESATPESG PGSPAGSPTSTEEGSP	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCCGGC
	FPTIPLSRLFDNAML	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	RAHRLHQLAFDTYQ	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	EFEEAYIPKEQKYSF	GCAGCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTT
	LQNPQTSLCFSESIPT	GATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTT
	PSNREETQQKSNLEL	TGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGC
	LRISLLLIQSWLEPVQ	AGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTC
	FLRSVFANSLVYGAS	AGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGC
	DSNVYDLLKDLEEGI	AAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATT
	QTLMGRLEDGSPRT	CAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGC
	GQIFKQTYSKFDTNS	CAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGAT
	HNDDALLKNYGLLY	CTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTC
	CFRKDMDKVETFLRI	GTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAG
	VQCRSVEGSCGFGL	ACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCT
	TPRSLLVGGGGTSES	TCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGG
	ATPESGPGSEPATSG	ACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTT
	SETPGTSESATPESGP	GAGGGCAGCTGTGGTTTCTAAGGTctgaccccgcgcagcctgctggtgggcggc
	GSEPATSGSETPGTS	GGTGGTACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTA
	ESATPESGPGTSTEPS	GCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAA
	EGSAPGSPAGSPTST	AGCGCAACCCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCT
	EEGTSESATPESGPG	CTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAA
	SEPATSGSETPGTSES	TCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCAC
	ATPESGPGSPAGSPT	CAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTAC
	STEEGSPAGSPTSTEE	CTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCG
	GTSTEPSEGSAPGTS	GCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTAC
	ESATPESGPGTSESA	TCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCA
	TPESGPGTSESATPES	CCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGA
	GPGSEPATSGSETPG	AGGTACTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACT
	SEPATSGSETPGSPA	TCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAA
	GSPTSTEEGTSTEPSE	GCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACC
	GSAPGTSTEPSEGSA	CCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGA
	PGSEPATSGSETPGT	AACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCA
	SESATPESGPGTSTEP	GGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTT
	SEGSAP	CTACTGAACCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGA
		ACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTGCAACCTCT
		GGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATC
		TGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCA
AE624-hGH-FXIa-AE288	MAEPAGSPTSTEEGT	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA
	PGSGTASSSPGSSTPS	CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC
	GATGSPGASPGTSST	CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG
	GSPGSPAGSPTSTEE	CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA
	GTSESATPESGPGTS	CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA
	TEPSEGSAPGSPAGS	GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC
	PTSTEEGTSTEPSEGS	CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA
	APGTSTEPSEGSAPG	CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA
	TSESATPESGPGSEP	GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT
	ATSGSETPGSEPATS	GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG
	GSETPGSPAGSPTST	GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC
	EEGTSESATPESGPG	GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC
	TSTEPSEGSAPGTSTE	GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG
	PSEGSAPGSPAGSPT	AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG
	STEEGTSTEPSEGSAP	CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA
	GTSTEPSEGSAPGTS	GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT
	ESATPESGPGTSTEPS	CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC
	EGSAPGTSESATPES	GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA
	GPGSEPATSGSETPG	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC
	TSTEPSEGSAPGTSTE	GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	PSEGSAPGTSESATP	GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT
	ESGPGTSESATPESG	ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG
	PGSPAGSPTSTEEGT	CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC
	SESATPESGPGSEPA	GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG
	TSGSETPGTSESATPE	AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG
	SGPGTSTEPSEGSAP	TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT
	GTSTEPSEGSAPGTS	GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC
	TEPSEGSAPGTSTEPS	CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA
	EGSAPGTSTEPSEGS	GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG
	APGTSTEPSEGSAPG	CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT
	SPAGSPTSTEEGTSTE	ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC
	PSEGSAPGTSESATP	CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT
	ESGPGSEPATSGSET	CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG
	PGTSESATPESGPGS	GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	EPATSGSETPGTSES	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	ATPESGPGTSTEPSE	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSAPGTSESATPESG	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	PGSPAGSPTSTEEGSP	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC
	FPTIPLSRLFDNAML	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	RAHRLHQLAFDTYQ	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	EFEEAYIPKEQKYSF	GCAGCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTT
	LQNPQTSLCFSESIPT	GATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTT
	PSNREETQQKSNLEL	TGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGC
	LRISLLLIQSWLEPVQ	AGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTC
	FLRSVFANSLVYGAS	AGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGC
	DSNVYDLLKDLEEGI	AAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATT
	QTLMGRLEDGSPRT	CAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGC
	GQIFKQTYSKFDTNS	CAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGAT
	HNDDALLKNYGLLY	CTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTC
	CFRKDMDKVETFLRI	GTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAG
	VQCRSVEGSCGFGG	ACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCT
	GKLTRVVGGGGTSE	TCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGG
	SATPESGPGSEPATS	ACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTT
	GSETPGTSESATPES	GAGGGCAGCTGTGGTTTCTAAGGTggcggcaaactgacccgcgtggtgggcgg
	GPGSEPATSGSETPG	cGGTGGTACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTA
	TSESATPESGPGTSTE	GCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAA
	PSEGSAPGSPAGSPT	AGCGCAACCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCT
	STEEGTSESATPESGP	CTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAA
	GSEPATSGSETPGTS	TCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCAC
	ESATPESGPGSPAGS	CAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTAC
	PTSTEEGSPAGSPTST	CTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCG
	EEGTSTEPSEGSAPG	GCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTAC
	TSESATPESGPGTSES	TCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCA
	ATPESGPGTSESATP	CCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGA
	ESGPGSEPATSGSET	AGGTACTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACT
	PGSEPATSGSETPGSP	TCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAA
	AGSPTSTEEGTSTEPS	GCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACC
	EGSAPGTSTEPSEGS	CCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGA
	APGSEPATSGSETPG	AACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCA
	TSESATPESGPGTSTE	GGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTT
	PSEGSAP	CTACTGAACCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGA
		ACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTGCAACCTCT
		GGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATC
		TGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCA
AE624-hGH-	MAEPAGSPTSTEEGT PGSGTASSSPGSSTPS	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
Elastase-AE288	GATGSPGASPGTSST	CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG
	GSPGSPAGSPTSTEE	CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA
	GTSESATPESGPGTS	CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA
	TEPSEGSAPGSPAGS	GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC
	PTSTEEGTSTEPSEGS	CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA
	APGTSTEPSEGSAPG	CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA
	TSESATPESGPGSEP	GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT
	ATSGSETPGSEPATS	GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG
	GSETPGSPAGSPTST	GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC
	EEGTSESATPESGPG	GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC
	TSTEPSEGSAPGTSTE	GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG
	PSEGSAPGSPAGSPT	AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG
	STEEGTSTEPSEGSAP	CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA
	GTSTEPSEGSAPGTS	GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT
	ESATPESGPGTSTEPS	CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC
	EGSAPGTSESATPES	GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA
	GPGSEPATSGSETPG	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC
	TSTEPSEGSAPGTSTE	GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG
	PSEGSAPGTSESATP	GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT
	ESGPGTSESATPESG	ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG
	PGSPAGSPTSTEEGT	CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC
	SESATPESGPGSEPA	GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG
	TSGSETPGTSESATPE	AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG
	SGPGTSTEPSEGSAP	TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT
	GTSTEPSEGSAPGTS	GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC
	TEPSEGSAPGTSTEPS	CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA
	EGSAPGTSTEPSEGS	GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG
	APGTSTEPSEGSAPG	CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT
	SPAGSPTSTEEGTSTE	ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC
	PSEGSAPGTSESATP	CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT
	ESGPGSEPATSGSET	CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG
	PGTSESATPESGPGS	GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	EPATSGSETPGTSES	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	ATPESGPGTSTEPSE	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSAPGTSESATPESG	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	PGSPAGSPTSTEEGSP	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC
	FPTIPLSRLFDNAML	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	RAHRLHQLAFDTYQ	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG
	EFEEAYIPKEQKYSF	GCAGCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTT
	LQNPQTSLCFSESIPT	GATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTT
	PSNREETQQKSNLEL	TGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGC
	LRISLLLIQSWLEPVQ	AGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTC
	FLRSVFANSLVYGAS	AGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGC
	DSNVYDLLKDLEEGI	AAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATT
	QTLMGRLEDGSPRT	CAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGC
	GQIFKQTYSKFDTNS	CAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGAT
	HNDDALLKNYGLLY	CTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTC
	CFRKDMDKVETFLRI	GTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAG
	VQCRSVEGSCGFGG	ACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCT
	GLGPVSGVPGGTSES	TCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGG
	ATPESGPGSEPATSG	ACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTT
	SETPGTSESATPESGP	GAGGGCAGCTGTGGTTTCTAAGGTggcggcctgggcccggtgagcggcgtgcc
	GSEPATSGSETPGTS	gGGTGGTACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTA
	ESATPESGPGTSTEPS	GCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAA
	EGSAPGSPAGSPTST	AGCGCAACCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCT
	EEGTSESATPESGPG	CTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAA

GHXTEN Name*	Amino Acid Sequence	DNA Nucleotide Sequence
	SEPATSGSETPGTSES	TCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCAC
	ATPESGPGSPAGSPT	CAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTAC
	STEEGSPAGSPTSTEE	CTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCG
	GTSTEPSEGSAPGTS	GCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTAC
	ESATPESGPGTSESA	TCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCA
	TPESGPGTSESATPES	CCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGA
	GPGSEPATSGSETPG	AGGTACTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACT
	SEPATSGSETPGSPA	TCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAA
	GSPTSTEEGTSTEPSE	GCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACC
	GSAPGTSTEPSEGSA	CCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGA
	PGSEPATSGSETPGT	AACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCA
	SESATPESGPGTSTEP	GGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTT
	SEGSAP	CTACTGAACCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGA
		ACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTGCAACCTCT
		GGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATC
		TGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCA
AE624-hGH-MMP-17-AE288	MAEPAGSPTSTEEGT	ATGGCTGAACCTGCTGGCTCTCCAACCTCCACTGAGGAAGGTA
	PGSGTASSSPGSSTPS	CCCCGGGTAGCGGTACTGCTTCTTCCTCTCCAGGTAGCTCTACC
	GATGSPGASPGTSST	*CCTTCTGGTGCAACCGGCTCTCCAGGTGCTTCTCCGGGCACCAG*
	GSPGSPAGSPTSTEE	CTCTACCGGTTCTCCAGGTAGCCCGGCTGGCTCTCCTACCTCTA
	GTSESATPESGPGTS	CTGAGGAAGGTACTTCTGAAAGCGCTACTCCTGAGTCTGGTCCA
	TEPSEGSAPGSPAGS	GGTACCTCTACTGAACCGTCCGAAGGTAGCGCTCCAGGTAGCC
	PTSTEEGTSTEPSEGS	CAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTTCTACTGAA
	APGTSTEPSEGSAPG	CCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGAACCTTCTGA
	TSESATPESGPGSEP	GGGCAGCGCTCCAGGTACTTCTGAAAGCGCTACCCCGGAATCT
	ATSGSETPGSEPATS	*GGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGAAACCCCAG*
	GSETPGSPAGSPTST	GTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCAGGTAGCCC
	EEGTSESATPESGPG	GGCAGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGC
	TSTEPSEGSAPGTSTE	GCAACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTG
	PSEGSAPGSPAGSPT	AGGGCAGCGCACCAGGTACTTCTACCGAACCGTCCGAGGGTAG
	STEEGTSTEPSEGSAP	CGCACCAGGTAGCCCAGCAGGTTCTCCTACCTCCACCGAGGAA
	GTSTEPSEGSAPGTS	GGTACTTCTACCGAACCGTCCGAGGGTAGCGCACCAGGTACCT
	ESATPESGPGTSTEPS	CTACTGAACCTTCTGAGGGCAGCGCTCCAGGTACTTCTGAAAGC
	EGSAPGTSESATPES	GCTACCCCGGAGTCCGGTCCAGGTACTTCTACTGAACCGTCCGA
	GPGSEPATSGSETPG	AGGTAGCGCACCAGGTACTTCTGAAAGCGCAACCCCTGAATCC
	TSTEPSEGSAPGTSTE	GGTCCAGGTAGCGAACCGGCTACTTCTGGCTCTGAGACTCCAG
	PSEGSAPGTSESATP	GTACTTCTACCGAACCGTCCGAAGGTAGCGCACCAGGTACTTCT
	ESGPGTSESATPESG	ACTGAACCGTCTGAAGGTAGCGCACCAGGTACTTCTGAAAGCG
	PGSPAGSPTSTEEGT	CAACCCCGGAATCCGGCCCAGGTACCTCTGAAAGCGCAACCCC
	SESATPESGPGSEPA	GGAGTCCGGCCCAGGTAGCCCTGCTGGCTCTCCAACCTCCACCG
	TSGSETPGTSESATPE	AAGAAGGTACCTCTGAAAGCGCAACCCCTGAATCCGGCCCAGG
	SGPGTSTEPSEGSAP	TAGCGAACCGGCAACCTCCGGTTCTGAAACCCCAGGTACCTCT
	GTSTEPSEGSAPGTS	GAAAGCGCTACTCCGGAGTCTGGCCCAGGTACCTCTACTGAAC
	TEPSEGSAPGTSTEPS	*CGTCTGAGGGTAGCGCTCCAGGTACTTCTACTGAACCGTCCGAA*
	EGSAPGTSTEPSEGS	GGTAGCGCACCAGGTACTTCTACCGAACCGTCCGAAGGCAGCG
	APGTSTEPSEGSAPG	CTCCAGGTACCTCTACTGAACCTTCCGAGGGCAGCGCTCCAGGT
	SPAGSPTSTEEGTSTE	ACCTCTACCGAACCTTCTGAAGGTAGCGCACCAGGTACTTCTAC
	PSEGSAPGTSESATP	CGAACCGTCCGAGGGTAGCGCACCAGGTAGCCCAGCAGGTTCT
	ESGPGSEPATSGSET	CCTACCTCCACCGAGGAAGGTACTTCTACCGAACCGTCCGAGG
	PGTSESATPESGPGS	GTAGCGCACCAGGTACCTCTGAAAGCGCAACTCCTGAGTCTGG
	EPATSGSETPGTSES	CCCAGGTAGCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGT
	ATPESGPGTSTEPSE	ACCTCTGAAAGCGCAACCCCGGAATCTGGTCCAGGTAGCGAAC
	GSAPGTSESATPESG	CTGCAACCTCTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCT
	PGSPAGSPTSTEEGSP	ACTCCTGAATCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGG
	AGSPTSTEEGSPAGS	CAGCGCACCAGGTACTTCTGAAAGCGCTACTCCTGAGTCCGGC
	PTSTEEGTSESATPES	CCAGGTAGCCCGGCTGGCTCTCCGACTTCCACCGAGGAAGGTA
	GPGTSTEPSEGSAPG	GCCCGGCTGGCTCTCCAACTTCTACTGAAGAAGGTAGCCCGGC
	FPTIPLSRLFDNAML	AGGCTCTCCGACCTCTACTGAGGAAGGTACTTCTGAAAGCGCA
	RAHRLHQLAFDTYQ	ACCCCGGAGTCCGGCCCAGGTACCTCTACCGAACCGTCTGAGG

GHXTEN Name*	*Amino Acid Sequence*	*DNA Nucleotide Sequence*
	EFEEAYIPKEQKYSF	GCAGCGCACCAGGTTTTCCGACTATTCCGCTGTCTCGTCTGTTT
	LQNPQTSLCFSESIPT	GATAATGCTATGCTGCGTGCGCACCGTCTGCACCAGCTGGCCTT
	PSNREETQQKSNLEL	TGATACTTACCAGGAATTTGAAGAAGCcTACATTCCTAAAGAGC
	LRISLLLIQSWLEPVQ	AGAAGTACTCTTTCCTGCAAAACCCACAGACTTCTCTCTGCTTC
	FLRSVFANSLVYGAS	AGCGAATCTATTCCGACGCCTTCCAATCGCGAGGAAACTCAGC
	DSNVYDLLKDLEEGI	AAAAGTCCAATCTGGAACTACTCCGCATTTCTCTGCTTCTGATT
	QTLMGRLEDGSPRT	CAGAGCTGGCTAGAACCAGTGCAATTTCTGCGTTCCGTCTTCGC
	GQIFKQTYSKFDTNS	CAATAGCCTAGTTTATGGCGCATCCGACAGCAACGTATACGAT
	HNDDALLKNYGLLY	CTCCTGAAAGATCTCGAGGAAGGCATTCAGACCCTGATGGGTC
	CFRKDMDKVETFLRI	GTCTCGAGGATGGCTCTCCGCGTACTGGTCAGATCTTCAAGCAG
	VQCRSVEGSCGFGA	ACTTACTCTAAATTTGATACTAACAGCCACAATGACGATGCGCT
	PLGLRLRGGGGTSES	TCTAAAAAACTATGGTCTGCTGTATTGTTTTCGTAAAGATATGG
	ATPESGPGSEPATSG	ACAAAGTTGAAACCTTCCTGCGTATTGTTCAGTGTCGTTCCGTT
	SETPGTSESATPESGP	GAGGGCAGCTGTGGTTTCTAAGGT*gcgccgctgggcctgcgcctgcgcggcgg*
	GSEPATSGSETPGTS	cGGTGGTACCTCTGAAAGCGCAACTCCTGAGTCTGGCCCAGGTA
	ESATPESGPGTSTEPS	GCGAACCTGCTACCTCCGGCTCTGAGACTCCAGGTACCTCTGAA
	EGSAPGSPAGSPTST	AGCGCAACCCCCGGAATCTGGTCCAGGTAGCGAACCTGCAACCT
	EEGTSESATPESGPG	CTGGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAA
	SEPATSGSETPGTSES	TCTGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCAC
	ATPESGPGSPAGSPT	CAGGTAGCCCTGCTGGCTCTCCAACCTCCACCGAAGAAGGTAC
	STEEGSPAGSPTSTEE	CTCTGAAAGCGCAACCCCTGAATCCGGCCCAGGTAGCGAACCG
	GTSTEPSEGSAPGTS	GCAACCTCCGGTTCTGAAACCCCAGGTACTTCTGAAAGCGCTAC
	ESATPESGPGTSESA	TCCTGAGTCCGGCCCAGGTAGCCCGGCTGGCTCTCCGACTTCCA
	TPESGPGTSESATPES	CCGAGGAAGGTAGCCCGGCTGGCTCTCCAACTTCTACTGAAGA
	GPGSEPATSGSETPG	AGGTACTTCTACCGAACCTTCCGAGGGCAGCGCACCAGGTACT
	SEPATSGSETPGSPA	TCTGAAAGCGCTACCCCTGAGTCCGGCCCAGGTACTTCTGAAA
	GSPTSTEEGTSTEPSE	GCGCTACTCCTGAATCCGGTCCAGGTACTTCTGAAAGCGCTACC
	GSAPGTSTEPSEGSA	CCGGAATCTGGCCCAGGTAGCGAACCGGCTACTTCTGGTTCTGA
	PGSEPATSGSETPGT	AACCCCAGGTAGCGAACCGGCTACCTCCGGTTCTGAAACTCCA
	SESATPESGPGTSTEP	GGTAGCCCAGCAGGCTCTCCGACTTCCACTGAGGAAGGTACTT
	SEGSAP	CTACTGAACCTTCCGAAGGCAGCGCACCAGGTACCTCTACTGA
		ACCTTCTGAGGGCAGCGCTCCAGGTAGCGAACCTGCAACCTCT
		GGCTCTGAAACCCCAGGTACCTCTGAAAGCGCTACTCCTGAATC
		TGGCCCAGGTACTTCTACTGAACCGTCCGAGGGCAGCGCACCA

* Sequence name reflects N- to C-terminus configuration of the growth factor, cleavage sequence and XTEN components

CLAIMS

WHAT IS CLAIMED IS:

1. An isolated fusion protein, comprising a growth hormone (GH) that is at least 90% identical to an amino acid sequence selected from Table 1, wherein said growth hormone is linked to an extended recombinant polypeptide (XTEN) of at least about 200 amino acids residues, wherein the XTEN is characterized in that:

(a) the XTEN sequence comprises at least about 200 contiguous amino acids that exhibits at least 90% sequence identity to a comparable length of an amino acid sequence selected from Table 3;

(b) the XTEN sequence lacks a predicted T-cell epitope when analyzed by TEPITOPE algorithm, wherein the TEPITOPE algorithm prediction for epitopes within the XTEN sequence is based on a score of –9 or greater;

(c) it has a subsequence score of less than 10; and

(d) the sum of glycine (G), alanine (A), serine (S), threonine (T), glutamate (E) and proline (P) residues constitutes more than about 90% of the total amino acid residues of the XTEN.

2. The isolated fusion protein of claim 1, wherein the growth hormone is a human growth hormone.

3. The isolated fusion protein of claim 1 or 2, further comprising a second XTEN sequence, and wherein the fusion protein adopts a multiple-XTEN configuration shown in Table 5.

4. The isolated fusion protein of any one of claims 1 to 3, wherein the growth hormone peptide and the XTEN is linked via a spacer, wherein the spacer sequence comprises between 1 to about 50 amino acid residues, and wherein the spacer optionally comprises a cleavage sequence.

5. The isolated fusion protein of any of claims 1 to 4, wherein the fusion protein binds to the same target receptor of the corresponding native growth hormone that lacks the XTEN, and wherein said fusion protein retains at least about 0.1%-30% of the binding affinity of the corresponding growth hormone that lacks the XTEN.

6. The isolated fusion protein of any of claims 1 to 5, comprising an amino acid sequence that has at least 90% sequence identity to an amino acid sequence selected from Table 35, Table 36, and Table 37.

7. A pharmaceutical composition comprising the isolated fusion protein of any of claims 1 to 6, and a pharmaceutically acceptable carrier.

8. The isolated protein of any of claims 1 to 6 that is configured according to formula I:

$(XTEN)_x$-GH-$(XTEN)_y$ (I)

wherein independently for each occurrence:

(a) x is either 0 or 1; and

(b) y is either 0 or 1, wherein $x+y \geq 1$.

9. The isolated fusion protein of any of claims 1 to 6, wherein the XTEN is fused to the growth hormone on an N- or C-terminus of the growth hormone.

10. The isolated fusion protein of any of claims 1 to 6 and 8 to 9, comprising a human growth hormone and a first and a second XTEN selected from AE912, AM923, AE144, and AE288.

11. The isolated fusion protein of any of claims 1 to 6 and 8 to 10, characterized in that:

(i) it has a longer terminal half-life when administered to a subject compared to the corresponding growth hormone that lacks the XTEN when administered to a subject at a comparable molar dose;

(ii) when a smaller molar amount of the fusion protein is administered to a subject in comparison to the corresponding growth hormone that lacks the XTEN administered to a subject under an otherwise equivalent dose regimen, the fusion protein achieves a comparable area under the curve (AUC) as the corresponding growth hormone that lacks the XTEN;

(iii) when a smaller molar amount of the fusion protein is administered to a subject in comparison to the corresponding growth hormone that lacks the XTEN administered to a subject under an otherwise equivalent dose regimen, the fusion protein achieves a comparable therapeutic effect as the corresponding growth hormone that lacks the XTEN;

(iv) when the fusion protein is administered to a subject less frequently in comparison to the corresponding growth hormone that lacks the XTEN administered to a subject using an otherwise equivalent molar amount, the fusion protein achieves a comparable area under the curve (AUC) as the corresponding growth hormone that lacks the XTEN;

(v) when the fusion protein is administered to a subject less frequently in comparison to the corresponding growth hormone that lacks the XTEN administered to a subject using an otherwise equivalent molar amount, the fusion protein achieves a comparable therapeutic effect as the corresponding growth hormone that lacks the XTEN;

(vi) when an accumulatively smaller molar amount of the fusion protein is administered to a subject in comparison to the corresponding growth hormone that lacks the XTEN administered to a subject under an otherwise equivalent dose period, the fusion protein achieves comparable area under the curve (AUC) as the corresponding growth hormone that lacks the XTEN; or

(vii) when an accumulatively smaller molar amount of the fusion protein is administered to a subject in comparison to the corresponding growth hormone that lacks the XTEN administered to a subject under an otherwise equivalent dose period, the fusion protein achieves comparable therapeutic effect as the corresponding growth hormone that lacks the XTEN.

12. A method of producing a fusion protein comprising a growth hormone (GH) fused to one or more extended recombinant polypeptides (XTEN), comprising:

(a) providing host cell comprising a recombinant polynucleotide molecule encoding the fusion protein of claim 1 or 6;

(b) culturing the host cell under conditions permitting the expression of the fusion protein; and

(c) recovering the fusion protein.

13. The method of claim 12, wherein the growth hormone of the fusion protein has at least 90% sequence identity to:

(a) human growth hormone; or

(b) a sequence selected from Table 1.

14. The method of claim 12 or 13, wherein the one or more XTEN of the expressed fusion protein has at least 90% sequence identity to a sequence selected from Table 3.

15. The method of any of claims 12 to 14, wherein the polynucleotide molecule encoding the fusion protein comprises a nucleic acid sequence exhibiting at least 90% sequence identity of a nucleic acid sequence selected from Table 35, Table 36, and Table 37.

16. The method of any of claims 12 to 15, wherein the polynucleotide is codon optimized for enhanced expression of said fusion protein in the host cell.

17. The method any of claims 12 to 16, wherein the host cell is a prokaryotic cell.

18. The method of any of claims 12 to 17, wherein the isolated fusion protein is recovered from the host cell cytoplasm in substantially soluble form.

19. An isolated nucleic acid comprising a nucleotide sequence encoding the fusion protein of any of claims 1 to 6 and 8 to 11 or the complement thereof.

20. An expression vector comprising the nucleic acid of claim 19.

21. An isolated host cell comprising the nucleic acid of claim 19, wherein the host cell is a prokaryotic host cell.

22. A method of treating a growth-hormone related condition in a subject, comprising administering to the subject a therapeutically effective amount of a fusion protein of any of claims 1 to 6 and 8 to 11.

23. The method of claim 22, wherein the growth-hormone related condition is selected from growth-hormone deficiency, Turner's Syndrome, Prader-Willi Syndrome, idiopathic short stature, AIDS wasting, multiple sclerosis, Crohn's disease, ulcerative colitis, and muscular dystrophy.

24. The method of claim 22 or 23, wherein the therapeutically effective amount results in maintaining blood concentrations of the fusion protein within a therapeutic window for the fusion protein at least three-fold longer compared to the corresponding native growth hormone that lacks the XTEN administered at a comparable amount to a subject.

25. The method of any of claims 22 to 24, wherein administration of two or more consecutive doses of the fusion protein administered using a therapeutically effective dose regimen to a subject results in a gain in time between consecutive C_{max} peaks and/or C_{min} troughs for blood levels of the fusion protein compared to the corresponding growth hormone not linked to the fusion protein and administered using a therapeutically dose regimen established for the GH.

26. The method of any of claims 22 to 25, wherein

(i) a smaller molar amount of the fusion protein is administered to a subject in comparison to the corresponding growth hormone that lacks the XTEN administered to a subject under an otherwise equivalent dose regimen, and the fusion protein achieves a comparable therapeutic effect as the corresponding growth hormone that lacks the XTEN;

(ii) the fusion protein is administered less frequently to a subject in comparison to the corresponding growth hormone that lacks the XTEN administered to a subject using an otherwise equivalent molar dose, and the fusion protein achieves a comparable therapeutic effect as the corresponding growth hormone that lacks the XTEN; or

(iii) an accumulatively smaller molar amount of the fusion protein is administered to a subject in comparison to the corresponding growth hormone that lacks the XTEN administered to a subject under the otherwise equivalent dose period, the fusion protein achieves a comparable therapeutic effect as the corresponding growth hormone that lacks the XTEN.

27. The method of claim 26, wherein the therapeutic effect is a measured parameter selected from IGF-1 concentrations, IGFBP3 concentration, height velocity, lean body mass, total body fat, trunk fat, response to insulin challenge, rate of division of chondrocytes, chondrocyte numbers, bone density, bone growth, and increase in epiphyseal plate width.

28. A kit, comprising the pharmaceutical composition of claim 7, a label identifying the pharmaceutical composition, and an instruction for storage, reconstitution and/or administration of the pharmaceutical compositions to a subject.