

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLLITASRAADTASYFCATDPRTGANSKLTFGKGITLSVRP (SEQ ID NO:1)

Fig. 1a

DTGVSQDPRHKITKRQNVTFRCDP ISEHNRLYWYRQTLGQGPEFLTYFQNEAQLEKSRLLSDRFS AERPKGSFSTLEIQ RTEQGDSAMYL CASEGLAYEQYFGPGTRLTVT (SEQ ID NO:2)

Fig. 1b

SQQGEEDPQALSIQEGENV TINCSYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPRTGANSKLTFGKGITLSVRP (SEQ ID NO:3)

Fig. 2a

DTGVSQDPRHLSVKRQNVTLRCDPISEHNRLYWYRQTPGQGPEFLTYFQNEAQLEKSRLLSDRFS AERPKGSFSTLEIQ RVEPGDSAMYL CASEGLAYEQYFGPGTRLTVT (SEQ ID NO:4)

Fig. 2b

tctCAaCAaGGTGAAGAAGATCCG CAGGCACTGAGCATT CAGGAAGGCGAAAATGTGACCATTAAATGTAGCTATAAGACCAGTATTAACAACCTGCAGTGGTATCGCCAGAATAGCGGTTCGCGGTCTGGTTCATCTGATTCTGATTCTG TAGCAATGAACGTGAAAAACATAGCGGCCGTCTGCGTGTGACCCTGGATACCAGTAAAAAATCTAGCAGCCTGGAAATTACCGATGTGCGCCCGAGCGATACCGCAAGTTATTTTGTGCAACCGATCCGCGCACCGGCGCAAATAGCAA ACTGACCTTTGGTAAAGGCATTACCCTGAGTGTTCTCGTCCG (SEQ ID NO:5)

Fig. 3a

GATACCGGTGTTAGTCAGGATCCGCGCCATCTGAGCGTTAAACGTGGCCAGAATGTTACCCTGCGCTGTGATCCGATTAGTGAACATAATCGTCTGTATTGGTATCGTCAGACCCCGGGTCAGGGTCCGGAA TTTCTGACCTATTTTCAGAATGAAGCACAGCTGGAAAAAAGCCGTCTGCTGAGTGATCGTTTTAGCGCCGAACGTCCGAAAGGCAGTTTTAGTACCCTGGAAATTCAGCGCGTGGAACCGGGTGACAGCGCAATGTATCTGTGCGCCAGCGAAGGTCTGGCCTATGAACAGTATTTTGGCCCGGGTACCCGCCTGACCGTTACC (SEQ ID NO:6)

Fig. 3b

GGGGSGGGGSGGGGSGGGGS (SEQ ID NO:7)

Fig. 4a

GGCGGTGGTGGCAGCGGCGGTGGTGGTTCAGGCGGTGGTGGAAAGCGGTGGTGGCGGTAGT (SEQ ID NO:8)

Fig. 4b

SQQGEEDPQALSIQEGENV TINCSYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPRTASSAKLTFGKGITLSVRP (SEQ ID NO:9)

Fig. 5 (1)

SQQGEEDPQALSIQEGENV TINCSYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPRTGSSNKLTFGKGITLSVRP (SEQ ID NO:10)

Fig. 5 (2)

SQQGEEDPQALSIQEGENV TINCSYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPAMQANSKLTFGKGITLSVRP (SEQ ID NO:11)

Fig. 5 (3)

SQQGEEDPQALSIQEGENV TINCSYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPSRQNSSKLTFGKGITLSVRP (SEQ ID NO:12)

Fig. 5 (4)

SQQGEEDPQALSIQEGENV TINCSYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPVLANSSKLTFGKGITLSVRP (SEQ ID NO:13)

Fig. 5 (5)

SQQGEEDPQALSIQEGENVNTINCSYKTSINNLOWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPRTSGSTKLTFGKGITLSVRP (SEQ ID NO:14)

Fig. 5 (6)

SQQGEEDPQALSIQEGENVNTINCSYKTSINNLOWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPDRSPNSKLTFGKGITLSVRP (SEQ ID NO:15)

Fig. 5 (7)

SQQGEEDPQALSIQEGENVNTINCSYKTSINNLOWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPRTASTPKLTFGKGITLSVRP (SEQ ID NO:16)

Fig. 5 (8)

SQQGEEDPQALSIQEGENVNTINCSYKTSINNLOWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPEAQWNSKLTFGKGITLSVRP (SEQ ID NO:17)

Fig. 5 (9)

SQQGEEDPQALSIQEGENVNTINCSYKTSINNLOWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPRTESTTKLTFGKGITLSVRP (SEQ ID NO:18)

Fig. 5 (10)

SQQGEEDPQALSIQEGENVNTINCSYKTSINNLOWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPSLQNSKLTFGKGITLSVRP (SEQ ID NO:19)

Fig. 5 (11)

SQQGEEDPQALSIQEGENVNTINCSYKTSINNLOWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPQNSWNSKLTFGKGITLSVRP (SEQ ID NO:20)

Fig. 5 (12)

SQQGEEDPQALSIQEGENVNTINCSYKTSINNLOWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPASNWNSKLTFGKGITLSVRP (SEQ ID NO:21)

Fig. 5 (13)

SQQGEEDPQALSIQEGENVNTINCSYKTDVSSLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPAAQWNSKLTFGKGITLSVRP (SEQ ID NO:22)

Fig. 5 (14)

SQQGEEDPQALSIQEGENVNTINCSYKTPPISSLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPAAQWNSKLTFGKGITLSVRP (SEQ ID NO:23)

Fig. 5 (15)

SQQGEEDPQALSIQEGENVNTINCSYKTPPISSLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPPATSPNSKLTFGKGITLSVRP (SEQ ID NO:24)

Fig. 5 (16)

SQQGEEDPQALSIQEGENVNTINCSYKTDDIYKLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPRTASSPKLTFGKGITLSVRP (SEQ ID NO:25)

Fig. 5 (17)

SQQGEEDPQALSIQEGENVNTINCSYKTAVDSLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPSLSPNSKLTFGKGITLSVRP (SEQ ID NO:26)

Fig. 5 (18)

SQQGEEDPQALSIQEGENVNTINCSYKTEISSLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPSLSPNSKLTFGKGITLSVRP (SEQ ID NO:27)

Fig. 5 (19)

SQQGEEDPQALSIQEGENVNTINCSYKTAVDSLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPSMSPNSKLTFGKGITLSVRP (SEQ ID NO:28)

Fig. 5 (20)

SQQGEEDPQALSIQEGENVNTINCSYKTEISSLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPMSPSNSKLTFGKGITLSVRP (SEQ ID NO:29)

Fig. 5 (21)

SQQGEEDPQALSIQEGENVNTINCSYKTDVSSSLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPMSPSNSKLTFGKGITLSVRP (SEQ ID NO:30)

Fig. 5 (22)

SQQGEEDPQALSIQEGENVNTINCSYKTDVSSSLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPTMSPNSKLTFGKGITLSVRP (SEQ ID NO:31)

Fig. 5 (23)

SQQGEEDPQALSIQEGENVNTINCSYKTAVDSLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPTMSPNSKLTFGKGITLSVRP (SEQ ID NO:32)

Fig. 5 (24)

SQQGEEDPQALSIQEGENVNTINCSYKTEISSLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPATSPNSKLTFGKGITLSVRP (SEQ ID NO:33)

Fig. 5 (25)

SQQGEEDPQALSIQEGENVNTINCSYKTPPISSLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPMSPSNSKLTFGKGITLSVRP (SEQ ID NO:34)

Fig. 5 (26)

SQQGEEDPQALSIQEGENVNTINCSYKTAVDSLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPTSSWNSKLTFGKGITLSVRP (SEQ ID NO:35)

Fig. 5 (27)

DTGVSQDPRHLSVKRGQNVTLRCDPISEHNRLYWYRQTPGQGPEFLTYFQGDMELEKSRLLSDRFS AERPKGFSFSTLEIQRVEPGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:36)

Fig. 6 (1)

DTGVSQDPRHLSVKRGQNVTLRCDPIAGHARLYWYRQTPGQGPEFLTYFQGDMELEKSRLLSDRFS AERPKGFSFSTLEIQRVEPGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:37)

Fig. 6 (2)

DTGVSQDPRHLSVKRGQNVTLRCDPIQGHARLYWYRQTPGQGPEFLTYFQGDMELEKSRLLSDRFS AERPKGFSFSTLEIQRVEPGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:38)

Fig. 6 (3)

DTGVSQDPRHLSVKRGQNVTLRCDPIGTWPRLYWYRQTPGQGPEFLTYFQGDMELEKSRLLSDRFS AERPKGFSFSTLEIQRVEPGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:39)

Fig. 6 (4)

DTGVSQDPRHLSVKRGQNVTLRCDPIAGHARLYWYRQTPGQGPEFLTYFQGDLELEKSRLLSDRFS AERPKGFSFSTLEIQRVEPGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:40)

Fig. 6 (5)

DTGVSQDPRHLSVKRGQNVTLRCDPIGTWPRLYWYRQTPGQGPEFLTYFQGDLELEKSRLLSDRFS AERPKGFSFSTLEIQRVEPGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:41)

Fig. 6 (6)

DTGVSQDPRHLSVKRGQNVTLRCDPIIGRWPRLYWYRQTPGQGPEFLTYFQGDLELEKSRLLSDRFS AERPKGFSFSTLEIQRVEPGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:42)

Fig. 6 (7)

DTGVSQDPRHLSVKRGQNVTLRCDPIQGHARLYWYRQTPGQGPEFLTYFQGDLELEKSRLLSDRFS AERPKGFSFSTLEIQRVEPGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:43)

Fig. 6 (8)

DTGVSQDPRHLSVKRGQNVTLRCDPIARHARLYWYRQTPGQGPEFLTYFQGDLELEKSRLLSDRFS
AERPKGFSFSTLEIQRVEPGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:44)

Fig. 6 (9)

DTGVSQDPRHLSVKRGQNVTLRCDPIGLWPRLYWYRQTPGQGPEFLTYFQGDLELEKSRLLSDRFS
AERPKGFSFSTLEIQRVEPGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:45)

Fig. 6 (10)

DTGVSQDPRHLSVKRGQNVTLRCDPIQGRARLYWYRQTPGQGPEFLTYFQGDMELEKSRLLSDRFS
AERPKGFSFSTLEIQRVEPGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:46)

Fig. 6 (11)

SQQGEEDPQALS IQEGENVTINCSYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTL D
TSKKSSSLEITDVRPSDTASYFCATDPRTGANSKLTFGKGITLSVRPGGGGSGGGGSGGGGSGGGG
SDTGVSQDPRHLSVKRGQNVTLRCDPISEHNRLYWYRQTPGQGPEFLTYFQNEAQLEKSRLLSDRF
SAERPKGFSFSTLEIQRVEPGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:47)

Fig. 7a

tctCAaCAaGGTGAAGAAGATCCGCAGGCACTGAGCATT CAGGAAGGCGAAAATGTGACCATTAAT
TG TAGCTATAAGACCAGTATTAACAACCTGCAGTGGTATCGCCAGAATAGCGGTCTCGGTCTGGTT
CATCTGATTCTGATTCTGTAGCAATGAACGTGAAAAACATAGCGGCCGTCTGCGTGTGACCCTGGAT
ACCAGTAAAAAATCTAGCAGCCTGGAAATTACCGATGTGCGCCCGAGCGATACCGCAAGTTATTTT
TGTGCAACCGATCCGCGCACCGGCGCAAATAGCAAAC T GACCTTTGGTAAAGGCATTACCCCTGAGT
GTTTCGTCCGGGCGGTGGTGGCAGCGGCGGTGGTGGTTCAGGCGGTGGTGGAAAGCGGTGGTGGCGGT
AGTGATAACCGGTGTTAGTCAGGATCCGCGCCATCTGAGCGTTAAACGTGGCCAGAATGTTACCCTG
CGCTGTGATCCGATTAGTGAACATAATCGTCTGTATTGGTATCGTCAGACCCCGGGT CAGGGTCCG
GAATTTCTGACCTATTTTTCAGAATGAAGCACAGCTGGAAAAAAGCCGTCTGCTGAGTGATCGTTTT
AGCGCCGAACGTCCGAAAGGCAGTTTTAGTACCCTGGAAATTCAGCGCGTGGAACCGGGTGACAGC
GCAATGTATCTGTGCGCCAGCGAAGGTCTGGCCTATGAACAGTATTTTGGCCCGGGTACCCGCCTG
ACCGTTACC (SEQ ID NO:48)

Fig. 7b

MSQQGEEDPQALS IQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTL
DTSKKSSSLITASRAADTASYFCATDPRTGANSKLTFGKGITLSVRPDIQNPDPAVYQLRDSKSS
DKSVCLFTDFDSQTNVSQSKDSVYITDK**C**VLDMRSMDFKSN SAVAWSNKSDFACANAFNNSIIPE
DTFFPSPESS (SEQ ID NO:49)

Fig. 8a

MDTGVSQDPRHKITKRGQNVTFRCDP ISEHNRLYWYRQTLGQGPEFLTYFQNEAQLEKSRLLSDRF
SAERPKGFSFSTLEIQRT EQGDSAMYLCASEGLAYEQYFGPGTRLTVTEDLKNVFPPEVAVFEPSEA
EISHTQKATLVCLATGFYPDHVELSWWVNGKEVHSGV**C**TDPQPLKEQPALNDSRYALSSRLRVSAT
FWQDPRNHFRQVQFYGLSENDEWTQDRAKPVTQIVSAEAWGRAD (SEQ ID NO:50)

Fig. 8b

SQQGEEDPQALS IQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTL D
TSKKSSSLEITDVRPSDTASYFCATDPRTASSAKLTFGKGITLSVRP (SEQ ID NO:51)

Fig. 9 (1)

SQQGEEDPQALS IQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTL D
TSKKSSSLEITDVRPSDTASYFCATDPRTGSSNKLTFGKGITLSVRP (SEQ ID NO:52)

Fig. 9 (2)

SQQGEEDPQALS IQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTL D
TSKKSSSLEITDVRPSDTASYFCATDPAMQANSKLTFGKGITLSVRP (SEQ ID NO:53)

Fig. 9 (3)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPSRQNSKLTFGKGITLSVRP (SEQ ID NO:54)

Fig. 9 (4)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPVLSANSKLTFGKGITLSVRP (SEQ ID NO:55)

Fig. 9 (5)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPRTSGSTKLTFGKGITLSVRP (SEQ ID NO:56)

Fig. 9 (6)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPPDRSPNSKLTFGKGITLSVRP (SEQ ID NO:57)

Fig. 9 (7)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPRTASTPKLTFGKGITLSVRP (SEQ ID NO:58)

Fig. 9 (8)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPPEAQWNSKLTFGKGITLSVRP (SEQ ID NO:59)

Fig. 9 (9)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPRTESTTKLTFGKGITLSVRP (SEQ ID NO:60)

Fig. 9 (10)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPPSLQNSKLTFGKGITLSVRP (SEQ ID NO:61)

Fig. 9 (11)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPPQNSWNSKLTFGKGITLSVRP (SEQ ID NO:62)

Fig. 9 (12)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPPASNWNSKLTFGKGITLSVRP (SEQ ID NO:63)

Fig. 9 (13)

SQQGEEDPQALSIQEGENATMNC SYKTDVSSLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPPAAQWNSKLTFGKGITLSVRP (SEQ ID NO:64)

Fig. 9 (14)

SQQGEEDPQALSIQEGENATMNC SYKTPPISSLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPPAAQWNSKLTFGKGITLSVRP (SEQ ID NO:65)

Fig. 9 (15)

SQQGEEDPQALSIQEGENATMNC SYKTPPISSLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPPATSPNSKLTFGKGITLSVRP (SEQ ID NO:66)

Fig. 9 (16)

SQQGEEDPQALSIQEGENATMNC SYKTDDIYKLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPRTASSPKLTFGKGITLSVRP (SEQ ID NO:67)

Fig. 9 (17)

SQQGEEDPQALSIQEGENATMNC SYKTAVDSLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPPSLSPNSKLTFGKGITLSVRP (SEQ ID NO:68)

Fig. 9 (18)

SQQGEEDPQALSIQEGENATMNC SYKTEISSLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPSLSPNSKLTFGKGITLSVRP (SEQ ID NO:69)

Fig. 9 (19)

SQQGEEDPQALSIQEGENATMNC SYKTAVDSLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPSMSPNSKLTFGKGITLSVRP (SEQ ID NO:70)

Fig. 9 (20)

SQQGEEDPQALSIQEGENATMNC SYKTEISSLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPSMSPNSKLTFGKGITLSVRP (SEQ ID NO:71)

Fig. 9 (21)

SQQGEEDPQALSIQEGENATMNC SYKTDVSSLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPSMSPNSKLTFGKGITLSVRP (SEQ ID NO:72)

Fig. 9 (22)

SQQGEEDPQALSIQEGENATMNC SYKTDVSSLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPTMSPNSKLTFGKGITLSVRP (SEQ ID NO:73)

Fig. 9 (23)

SQQGEEDPQALSIQEGENATMNC SYKTAVDSLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPTMSPNSKLTFGKGITLSVRP (SEQ ID NO:74)

Fig. 9 (24)

SQQGEEDPQALSIQEGENATMNC SYKTEISSLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPATSPNSKLTFGKGITLSVRP (SEQ ID NO:75)

Fig. 9 (25)

SQQGEEDPQALSIQEGENATMNC SYKTPISSLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPSMSPNSKLTFGKGITLSVRP (SEQ ID NO:76)

Fig. 9 (26)

SQQGEEDPQALSIQEGENATMNC SYKTAVDSLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLEITDVRPSDTASYFCATDPTSSWNSKLTFGKGITLSVRP (SEQ ID NO:77)

Fig. 9 (27)

SQQGEEDPQALSIQEGENATMNC SYKTSINNLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLLITASRAADTASYFCATDPHWSTNSKLTFGKGITLSVRP (SEQ ID NO:91)

Fig. 9 (28)

SQQGEEDPQALSIQEGENATMNC SYKTDDIASLQWYRQNSGRGLVHLILIRSNEREKHSGRRLRVTLDTSKKSSSLLITASRAADTASYFCATDPHWSTNSKLTFGKGITLSVRP (SEQ ID NO:92)

Fig. 9 (29)

DTGVSQDPRHKITKRGQNVTFRCDPISEHNRLYWYRQTLGQGPEFLTYFQGDMELEKSRLLSDRFS AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:78)

Fig. 10 (1)

DTGVSQDPRHKITKRGQNVTFRCDPIAGHARLYWYRQTLGQGPEFLTYFQGDMELEKSRLLSDRFS AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:79)

Fig. 10 (2)

DTGVSQDPRHKITKRGQNVTFRCDPIQGHARLYWYRQTLGQGPEFLTYFQGDMELEKSRLLSDRFS AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:80)

Fig. 10 (3)

DTGVSQDPRHKITKRGQNVTFRCDPIGTWPRLYWYRQTLGQGPEFLTYFQGDMELEKSRLLSDRFS AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:81)

Fig. 10 (4)

DTGVSQDPRHKITKRGQNVTFRCDPIAGHARLYWYRQTLGQGPEFLTYFQGDLELEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:82)

Fig. 10 (5)

DTGVSQDPRHKITKRGQNVTFRCDPIGTWPRLYWYRQTLGQGPEFLTYFQGDLELEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:83)

Fig. 10 (6)

DTGVSQDPRHKITKRGQNVTFRCDPIGRWPRLYWYRQTLGQGPEFLTYFQGDLELEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:84)

Fig. 10 (7)

DTGVSQDPRHKITKRGQNVTFRCDPIOGHARLYWYRQTLGQGPEFLTYFQGDLELEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:85)

Fig. 10 (8)

DTGVSQDPRHKITKRGQNVTFRCDPIARHARLYWYRQTLGQGPEFLTYFQGDLELEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:86)

Fig. 10 (9)

DTGVSQDPRHKITKRGQNVTFRCDPIGLWPRLYWYRQTLGQGPEFLTYFQGDLELEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:87)

Fig. 10 (10)

DTGVSQDPRHKITKRGQNVTFRCDPIOGRARLYWYRQTLGQGPEFLTYFQGDMELEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:88)

Fig. 10 (11)

DTGVSQDPRHKITKRGQNVTFRCDPIVDNARLYWYRQTLGQGPEFLTYFQNEAQLEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:93)

Fig. 10 (12)

DTGVSQDPRHKITKRGQNVTFRCDPILGHARLYWYRQTLGQGPEFLTYFQNEAQLEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:94)

Fig. 10 (13)

DTGVSQDPRHKITKRGQNVTFRCDPIGWWPRLYWYRQTLGQGPEFLTYFQNEAQLEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:95)

Fig. 10 (14)

DTGVSQDPRHKITKRGQNVTFRCDPISEHNRLYWYRQTLGQGPEFLTYFQGELEQLEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:96)

Fig. 10 (15)

DTGVSQDPRHKITKRGQNVTFRCDPISEHNRLYWYRQTLGQGPEFLTYFQGDMQLEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:97)

Fig. 10 (16)

DTGVSQDPRHKITKRGQNVTFRCDPISEHNRLYWYRQTLGQGPEFLTYFQGDLEQLEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:98)

Fig. 10 (17)

DTGVSQDPRHKITKRGQNVTFRCDPISEHNRLYWYRQTLGQGPEFLTYFHHTAQLEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:99)

Fig. 10 (18)

DTGVSQDPRHKITKRGQNVTFRCDPISEHNRLYWYRQTLGQGPEFLTYFAWEAQLEKSRLLSDRFS
AERPKGFSFSTLEIQRTEQGDSAMYLCASEGLAYEQYFGPGTRLTVT (SEQ ID NO:100)

Fig. 10 (19)

DTGVSQDPRHKITKRGQNVTFRCDPIGWWPRLYWYRQTLGQGPEFLTYFQGELQLEKSRLLSDRFS
AERPKGSFSTLEIQRT**E**QGDSAMYL**C**ASEGLAYEQYFGPGTRLT**V**T (SEQ ID NO:101)

Fig. 10 (20)

SQQGEEDPQALSIQEGENATMNC**S**YKTSINN**L**QWYRQNSGRGLVHLILIRSN**E**REKHSGRRLRVTL**D**
TSKKSS**S**LLITASRAADTASYFCATDPRTGANSK**L**TFGKGITLSVRPDIQNPDP**A**VYQLRDSKSS**D**
KSVCLFTDFDSQTNVSQSKDS**D**VYITDKTVLDMRSMDFKSNSAVAWSNKSD**F**ACANAFNNSI**P**ED
TFFPSPESSCDVKLVEK**S**FETDTNLN**F**QNL**S**VIGFRILL**L**KVAGFN**L**LM**T**RL**L**WSS

(SEQ ID NO:89)

Fig. 11a

DTGVSQDPRHKITKRGQNVTFRCDP**I**SEHNRLYWYRQTLGQGPEFLTYFQ**N**EAQLEKSRLLSDRFS
AERPKGSFSTLEIQRT**E**QGDSAMYL**C**ASEGLAYEQYFGPGTRLT**V**TEDLKNVFPPEVAVFEPSEAE
ISHTQKATLVCLATGFYPDHVELSWWVNGKEVHSGVSTDPQPLKEQPALNDSRYCLSSRLRV**S**ATF
WQNPRNHFR**C**QVQFYGLSENDEWTQDRAKPVTQIVSAEAWGRADCGFTSESYQQGVLSATILYEIL
LGKATLYAVLV**S**ALVLMAMVKRKDSRG (SEQ ID NO:90)

Fig. 11b

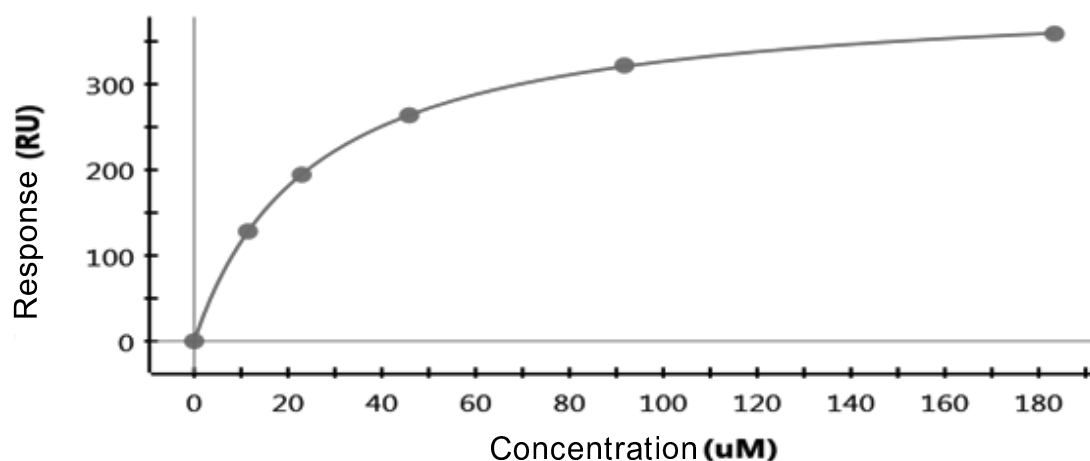


Fig. 12

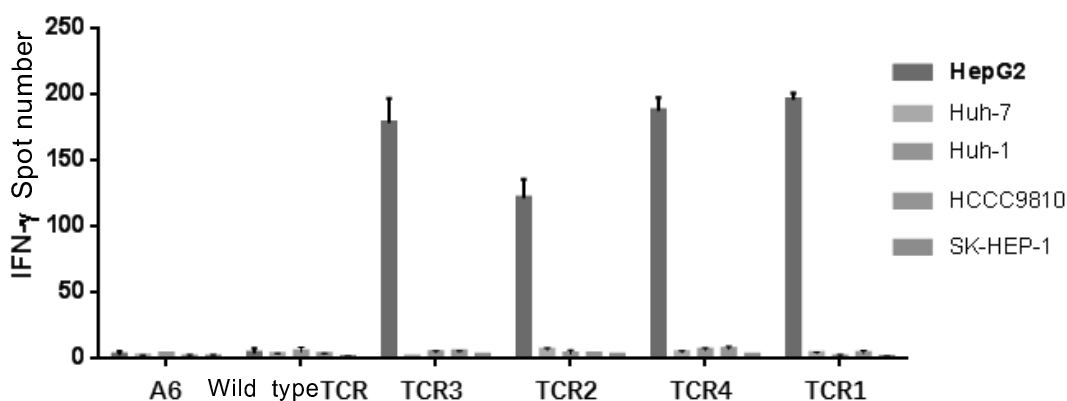


Fig. 13a

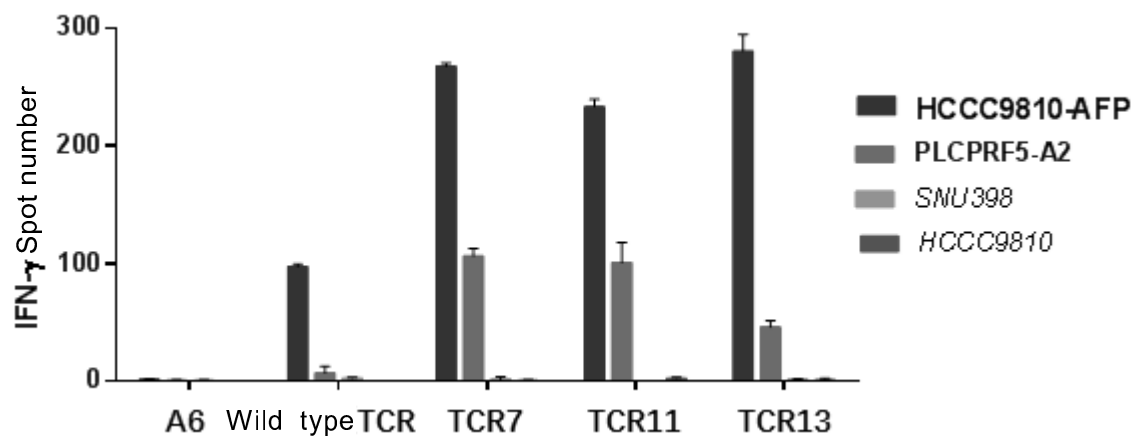


Fig. 13b

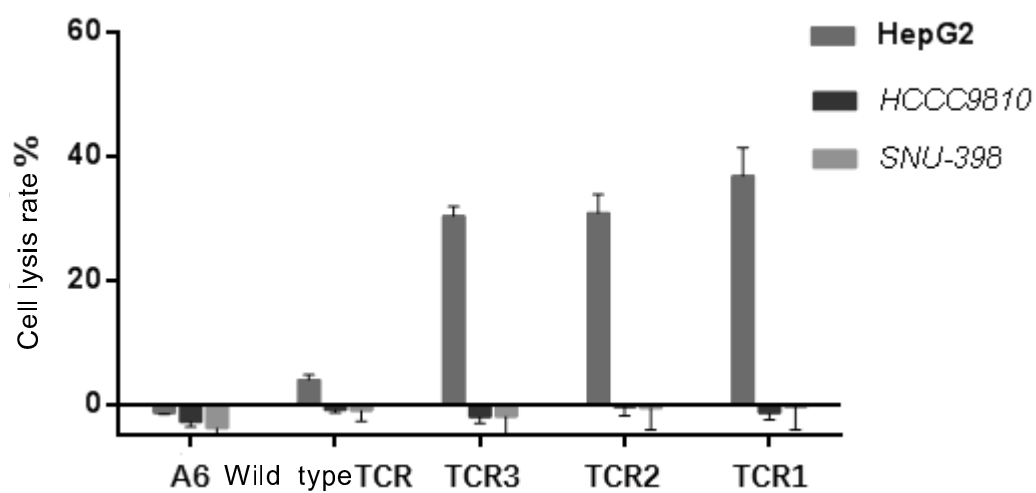


Fig. 14a

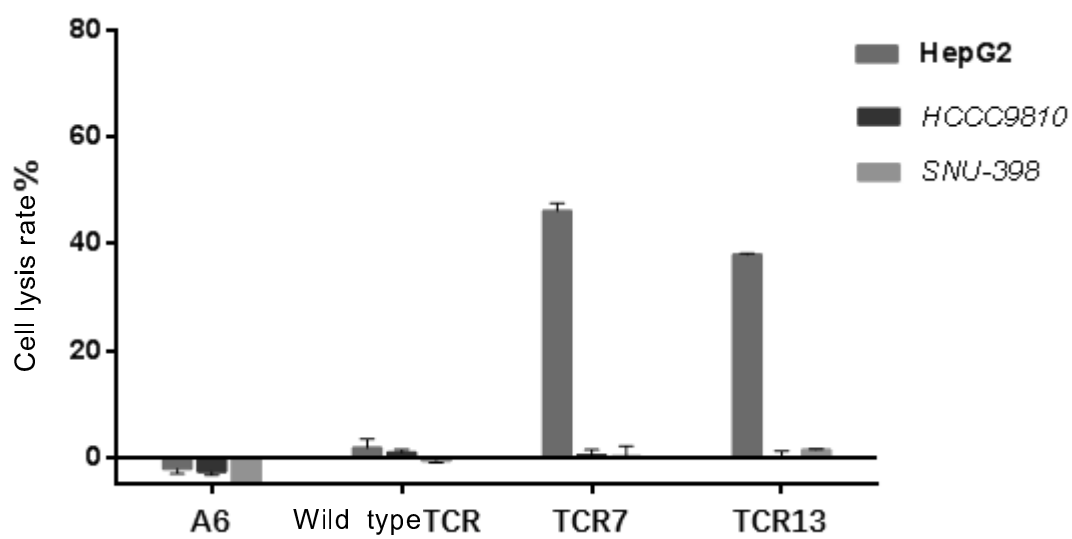


Fig. 14b

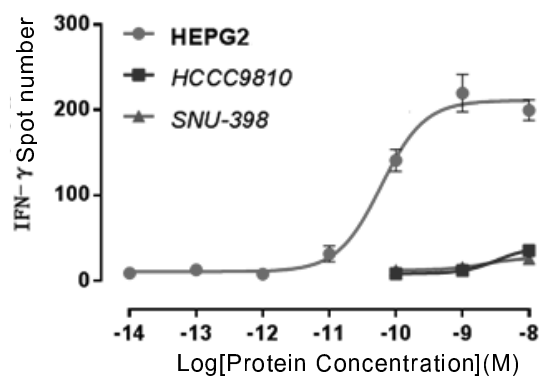


Fig. 15a

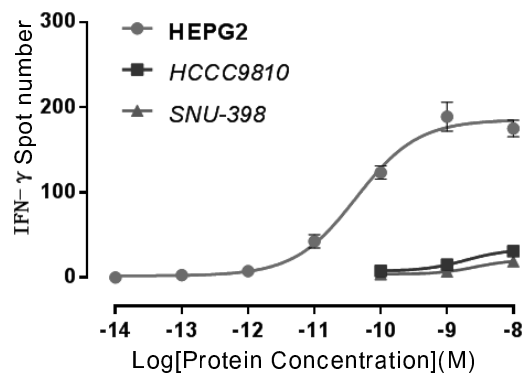


Fig. 15b

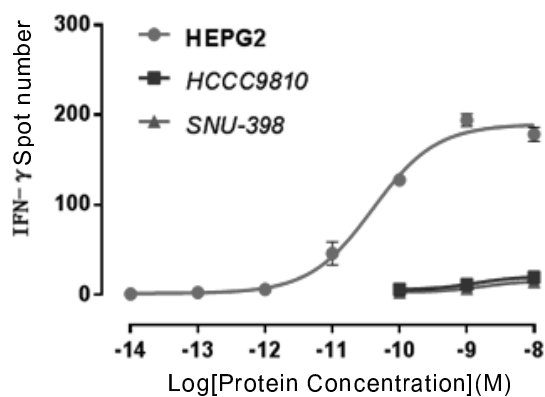


Fig. 15c

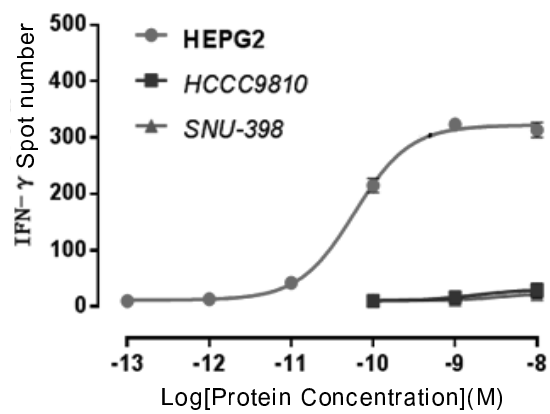


Fig. 15d

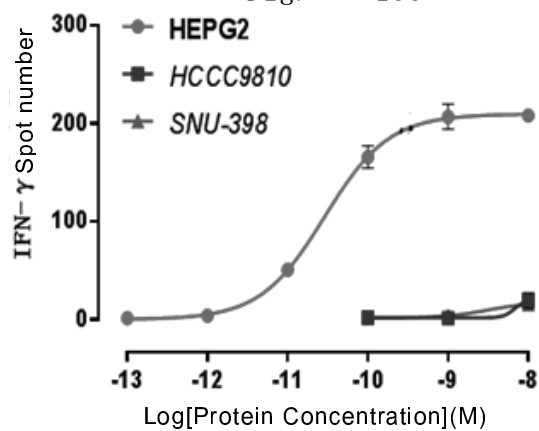


Fig. 15e

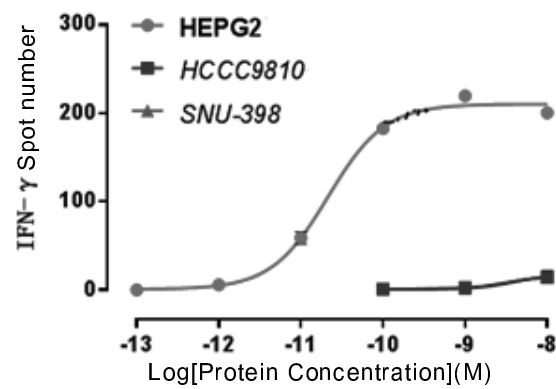


Fig. 15f

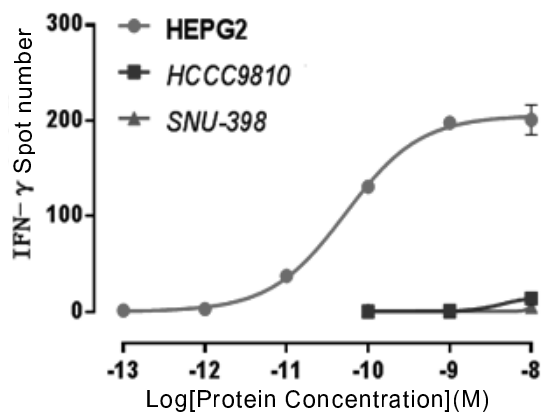


Fig. 15g

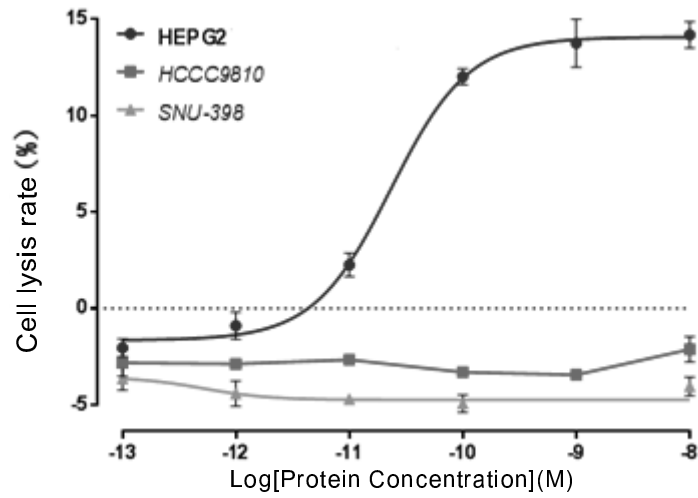


Fig. 16

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLITASRAADTASYFCATDPRTGANSKLTFGKGITLSVRPDIQNPDPAVYQLRDSKSSDKSVCLFTDFDSQTNVSQSKDSDVYITDKTVLDMRSMDFKSNSAVAWSNKSDFACANAFNNSIIPEDTFFPSPESS (SEQ ID NO:102)

Fig. 17a

DTGVSQDPRHKITKRGQNVTFRCDP ISEHNRLYWYRQTLGQGPEFLTYFQNEAQLEKSRLLSDRFSAERP KGSFSTLEIQ RTEQGDSAMYL CASEGLAYEQYFGPGTRLT VTEDLKNVFPPEVAVFEPSEAEISHTQKATLVCLATGFYPDHVELSWVNGKEVHSGVSTDPQPLKEQPALNDSRYCLSSRLRVSATFWQNPRNHFR CQVQFYGLSENDEWTQDRAKPVTQIVSAEAWGRAD (SEQ ID NO:103)

Fig. 17b