Sequence listing

SEQ ID No. 1: Human laminin alpha1 chain

MetArgGlyGlyValLeuLeuValLeuLeuLeuCysValAlaAlaGlnCysArgGlnArg
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TyrValIleIleLysAlaAlaAsnAlaProArgProGlyAsnTrpIleLeuGluArgSer
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LeuIleAsnGlyArgProSerAlaAspAspLeuSerProLysLeuLeuGluPheThrSer
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IleLysAspIleSerValGlyGlyMetCysIleCysTyrGlyHisAlaSerSerCysPro
TrpAspGluThrThrLysLysLeuGlnCysGlnCysGluHisAsnThrCysGlyGluSer
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TyrArgProHisLysValSerProTyrGluAspGluProCysArgProCysAsnCysAsp
ProValGlySerLeuSerSerValCysIleLysAspAspLeuHisSerAspLeuHisAsn
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SEQ ID No. 2: Human laminin alpha2 chain

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LysGlyLysValSerPheLeuTrpAspValGlySerGlyValGlyArgValGluTyrPro
AspLeuThrIleAspAspSerTyrTrpTyrArgIleValAlaSerArgThrGlyArgAsn
GlyThrIleSerValArgAlaLeuAspGlyProLysAlaSerIleValProSerThrHis
HisSerThrSerProProGlyTyrThrIleLeuAspValAspAlaAsnAlaMetLeuPhe
ValGlyGlyLeuThrGlyLysLeuLysLysAlaAspAlaValArgValIleThrPheThr
GlyCysMetGlyGluThrTyrPheAspAsnLysProIleGlyLeuTrpAsnPheArgGlu
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IleGlnPheAspGlyGluGlyTyrAlaLeuValSerArgProIleArgTrpTyrProAsn

IleSerThrValMetPheLysPheArgThrPheSerSerSerAlaLeuLeuMetTyrLeu
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LysTrpLysSerPheThrLeuSerArgIleGlnLysGlnAlaAsnIleSerIleValAsp
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CysSerLeuGluAsnValTyrThrValSerPheProLysProGlyPheValGluLeuSer
ProValProIleAspValGlyThrGluIleAsnLeuSerPheSerThrLysAsnGluSer
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ThrGlyGlnAlaTyrTyrValIleLeuLeuAsnArgGlyArgLeuGluValHisLeuSer
ThrGlyAlaArgThrMetArgLysIleValIleArgProGluProAsnLeuPheHisAsp
GlyArgGluHisSerValHisValGluArgThrArgGlyIlePheThrValGlnValAsp
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PheValGlyGlyAlaProProGluPheGlnProSerProLeuArgAsnIleProProPhe
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SerPheLysAsnAlaAspIleGlyArgCysAlaHisGlnLysLeuArgGluAspGluAsp
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LysIleAsnAspGlyGlnTrpHisLysIleLysIleMetArgSerLysGlnGluGlyIle
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AspLeuGluGlnProThrSerSerPheHisValGlyThrCysPheAlaAsnAlaGlnArg
GlyThrTyrPheAspGlyThrGlyPheAlaLysAlaValGlyGlyPheLysValGlyLeu
AspLeuLeuValGluPheGluPheArgThrThrThrThrGlyValLeuLeuGlyIle

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ValAspAsnGlyAlaGlyArgPheThrAlaValTyrAspAlaGlyValProGlyHisLeu
CysAspGlyGlnTrpHisLysValThrAlaAsnLysIleLysHisArgIleGluLeuThr
ValAspGlyAsnGlnValGluAlaGlnSerProAsnProAlaSerThrSerAlaAspThr
AsnAspProValPheValGlyGlyPheProAspAspLeuLysGlnPheGlyLeuThrThr
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AlaAsn

SEQ ID No. 3: Human laminin alpha5 chain

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ValAspAlaGlnSerAsnHisThrValGlyProLeuLeuAlaAlaAlaAlaGlyAlaPro
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TyrCysGlyCysMetArgArgLeuAlaValAsnArgSerProValAlaMetThrArgSer
ValGluValHisGlyAlaValGlyAlaSerGlyCysProAlaAla

SEQ ID No 4: Human laminin beta1 chain

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SerArgTyrValValLeuProArgProValCysPheGluLysGlyThrAsnTyrThrVal
ArgLeuGluLeuProGlnTyrThrSerSerAspSerAspValGluSerProTyrThrLeu
IleAspSerLeuValLeuMetProTyrCysLysSerLeuAspIlePheThrValGlyGly
SerGlyAspGlyValValThrAsnSerAlaTrpGluThrPheGlnArgTyrArgCysLeu
GluAsnSerArgSerValValLysThrProMetThrAspValCysArgAsnIleIlePhe
SerIleSerAlaLeuLeuHisGlnThrGlyLeuAlaCysGluCysAspProGlnGlySer
LeuSerSerValCysAspProAsnGlyGlyGlnCysGlnCysArgProAsnValValGly
ArgThrCysAsnArgCysAlaProGlyThrPheGlyPheGlyProSerGlyCysLysPro
CysGluCysHisLeuGlnGlySerValAsnAlaPheCysAsnProValThrGlyGlnCys
HisCysPheGlnGlyValTyrAlaArgGlnCysAspArgCysLeuProGlyHisTrpGly
PheProSerCysGlnProCysGlnCysAsnGlyHisAlaAspAspCysAspProValThr
GlyGluCysLeuAsnCysGlnAspTyrThrMetGlyHisAsnCysGluArgCysLeuAla
GlyTyrTyrGlyAspProIleIleGlySerGlyAspHisCysArgProCysProCysPro
AspGlyProAspSerGlyArgGlnPheAlaArgSerCysTyrGlnAspProValThrLeu
GlnLeuAlaCysValCysAspProGlyTyrIleGlySerArgCysAspAspCysAlaSer
GlyTyrPheGlyAsnProSerGluValGlyGlySerCysGlnProCysGlnCysHisAsn

AsnIleAspThrThrAspProGluAlaCysAspLysGluThrGlyArgCysLeuLysCys
LeuTyrHisThrGluGlyGluHisCysGlnPheCysArgPheGlyTyrTyrGlyAspAla
LeuGlnGlnAspCysArgLysCysValCysAsnTyrLeuGlyThrValGlnGluHisCys
AsnGlySerAspCysGlnCysAspLysAlaThrGlyGlnCysLeuCysLeuProAsnVal
IleGlyGlnAsnCysAspArgCysAlaProAsnThrTrpGlnLeuAlaSerGlyThrGly
CysAspProCysAsnCysAsnAlaAlaHisSerPheGlyProSerCysAsnGluPheThr
GlyGlnCysGlnCysMetProGlyPheGlyGlyArgThrCysSerGluCysGlnGluLeu
PheTrpGlyAspProAspValGluCysArgAlaCysAspCysAspProArgGlyIleGlu
ThrProGlnCysAspGlnSerThrGlyGlnCysValCysValGluGlyValGluGlyPro
ArgCysAspLysCysThrArgGlyTyrSerGlyValPheProAspCysThrProCysHis
GlnCysPheAlaLeuTrpAspValIleIleAlaGluLeuThrAsnArgThrHisArgPhe
LeuGluLysAlaLysAlaLeuLysIleSerGlyValIleGlyProTyrArgGluThrVal
AspSerValGluArgLysValSerGluIleLysAspIleLeuAlaGlnSerProAlaAla
GluProLeuLysAsnIleGlyAsnLeuPheGluGluAlaGluLysLeuIleLysAspVal
ThrGluMetMetAlaGlnValGluValLysLeuSerAspThrThrSerGlnSerAsnSer
ThrAlaLysGluLeuAspSerLeuGlnThrGluAlaGluSerLeuAspAsnThrValLys
GluLeuAlaGluGlnLeuGluPheIleLysAsnSerAspIleArgGlyAlaLeuAspSer
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GluProAsnSerThrValGluGlnSerAlaLeuMetArgAspArgValGluAspValMet
MetGluArgGluSerGlnPheLysGluLysGlnGluGluGlnAlaArgLeuLeuAspGlu
LeuAlaGlyLysLeuGlnSerLeuAspLeuSerAlaAlaAlaGluMetThrCysGlyThr
ProProGlyAlaSerCysSerGluThrGluCysGlyGlyProAsnCysArgThrAspGlu
GlyGluArgLysCysGlyGlyProGlyCysGlyGlyLeuValThrValAlaHisAsnAla
TrpGlnLysAlaMetAspLeuAspGlnAspValLeuSerAlaLeuAlaGluValGluGln
LeuSerLysMetValSerGluAlaLysLeuArgAlaAspGluAlaLysGlnSerAlaGlu
AspIleLeuLeuLysThrAsnAlaThrLysGluLysMetAspLysSerAsnGluGluLeu
ArgAsnLeuIleLysGlnIleArgAsnPheLeuThrGlnAspSerAlaAspLeuAspSer
IleGluAlaValAlaAsnGluValLeuLysMetGluMetProSerThrProGlnGlnLeu
GlnAsnLeuThrGluAspIleArgGluArgValGluSerLeuSerGlnValGluValIle
LeuGlnHisSerAlaAlaAspIleAlaArgAlaGluMetLeuLeuGluGluAlaLysArg
AlaSerLysSerAlaThrAspValLysValThrAlaAspMetValLysGluAlaLeuGlu

GluAlaGluLysAlaGlnValAlaAlaGluLysAlaIleLysGlnAlaAspGluAspIle
GlnGlyThrGlnAsnLeuLeuThrSerIleGluSerGluThrAlaAlaSerGluGluThr
LeuPheAsnAlaSerGlnArgIleSerGluLeuGluArgAsnValGluGluLeuLysArg
LysAlaAlaGlnAsnSerGlyGluAlaGluTyrIleGluLysValValTyrThrValLys
GlnSerAlaGluAspValLysLysThrLeuAspGlyGluLeuAspGluLysTyrLysLys
ValGluAsnLeuIleAlaLysLysThrGluGluSerAlaAspAlaArgArgLysAlaGlu
MetLeuGlnAsnGluAlaLysThrLeuLeuAlaGlnAlaAsnSerLysLeuGlnLeuLeu
LysAspLeuGluArgLysTyrGluAspAsnGlnArgTyrLeuGluAspLysAlaGlnGlu
LeuAlaArgLeuGluGlyGluValArgSerLeuLeuLysAspIleSerGlnLysValAla
ValTyrSerThrCysLeu

SEQ ID No 5: Human laminin beta2 chain

MetGluLeuThrSerArgGluArgGlyArgGlyGlnProLeuProTrpGluLeuArgLeu

GlyLeuLeuLeuSerValLeuAlaAlaThrLeuAlaGlnAlaProAlaProAspValPro

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ArgLeuThrAlaSerSerThrCysGlyLeuAsnGlyProGlnProTyrCysIleValSer

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AspAsnProHisSerHisArgIleGlnAsnValValThrSerPheAlaProGlnArgArg

AlaAlaTrpTrpGlnSerGluAsnGlyIleProAlaValThrIleGlnLeuAspLeuGlu

AlaGluPheHisPheThrHisLeuIleMetThrPheLysThrPheArgProAlaAlaMet

LeuValGluArgSerAlaAspPheGlyArgThrTrpHisValTyrArgTyrPheSerTyr

AspCysGlyAlaAspPheProGlyValProLeuAlaProProArgHisTrpAspAspVal

ValCysGluSerArgTyrSerGluIleGluProSerThrGluGlyGluValIleTyrArg

ValLeuAspProAlaIleProIleProAspProTyrSerSerArgIleGlnAsnLeuLeu

LysIleThrAsnLeuArgValAsnLeuThrArgLeuHisThrLeuGlyAspAsnLeuLeu

AspProArgArgGluIleArgGluLysTyrTyrTyrAlaLeuTyrGluLeuValValArg

GlyAsnCysPheCysTyrGlyHisAlaSerGluCysAlaProAlaProGlyAlaProAla

HisAlaGluGlyMetValHisGlyAlaCysIleCysLysHisAsnThrArgGlyLeuAsn

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ThrAlaGlyArgHisCysGluLeuCysArgProPhePheTyrArgAspProThrLysAsp

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GlyArgCysAspSerHisAspAspProAlaLeuGlyLeuValSerGlyGlnCysArgCys

LysGluHisValValGlyThrArgCysGlnGlnCysArgAspGlyPhePheGlyLeuSer

IleSerAspArgLeuGlyCysArgArgCysGlnCysAsnAlaArgGlyThrValProGly

SerThrProCysAspProAsnSerGlySerCysTyrCysLysArgLeuValThrGlyArg

GlyCysAspArgCysLeuProGlyHisTrpGlyLeuSerHisAspLeuLeuGlyCysArg

ProCysAspCysAspValGlyGlyAlaLeuAspProGlnCysAspGluGlyThrGlyGln

CysHisCysArgGlnHisMetValGlyArgArgCysGluGlnValGlnProGlyTyrPhe

ArgProPheLeuAspHisLeuIleTrpGluAlaGluAspThrArgGlyGlnValLeuAsp

ValValGluArgLeuValThrProGlyGluThrProSerTrpThrGlySerGlyPheVal

ArgLeuGlnGluGlyGlnThrLeuGluPheLeuValAlaSerValProLysAlaMetAsp

TyrAspLeuLeuLeuArgLeuGluProGlnValProGluGlnTrpAlaGluLeuGluLeu

IleValGlnArgProGlyProValProAlaHisSerLeuCysGlyHisLeuValProLys

AspAspArgIleGlnGlyThrLeuGlnProHisAlaArgTyrLeuIlePheProAsnPro

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GlnAlaThrPheGluArgTyrGlnCysHisGluGluGlyLeuValProSerLysThrSer

ProSerGluAlaCysAlaProLeuLeuIleSerLeuSerThrLeuIleTyrAsnGlyAla

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GlnCysLeuCysLysProGlyValValGlyArgArgCysAspLeuCysAlaProGlyTyr

TyrGlyPheGlyProThrGlyCysGlnAlaCysGlnCysSerHisGluGlyAlaLeuSer

SerLeuCysGluLysThrSerGlyGlnCysLeuCysArgThrGlyAlaPheGlyLeuArg

CysAspArgCysGlnArgGlyGlnTrpGlyPheProSerCysArgProCysValCysAsn

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GlyGlyGlnCysArgProCysProCysProGluGlyProGlySerGlnArgHisPheAla

ThrSerCysHisGlnAspGluTyrSerGlnGlnIleValCysHisCysArgAlaGlyTyr

ThrGlyLeuArgCysGluAlaCysAlaProGlyHisPheGlyAspProSerArgProGly

GlyArgCysGlnLeuCysGluCysSerGlyAsnIleAspProMetAspProAspAlaCys

AspProHisThrGlyGlnCysLeuArgCysLeuHisHisThrGluGlyProHisCysAla

HisCysLysProGlyPheHisGlyGlnAlaAlaArgGlnSerCysHisArgCysThrCys

AsnLeuLeuGlyThrAsnProGlnGlnCysProSerProAspGlnCysHisCysAspPro

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GlyGlyArgThrCysSerGluCysGlnGluLeuHisTrpGlyAspProGlyLeuGlnCys

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HisCysSerCysArgProGlyValSerGlyValArgCysAspGlnCysAlaArgGlyPhe

SerGlyIlePheProAlaCysHisProCysHisAlaCysPheGlyAspTrpAspArgVal

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AlaAspLeuThrAspValGlnAspGluAsnPheAsnAlaAsnHisAlaLeuSerGlyLeu

GluArgAspArgLeuAlaLeuAsnLeuThrLeuArgGlnLeuAspGlnHisLeuAspLeu

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AlaGluAlaGluArgArgAlaAsnThrSerAlaLeuAlaValProSerProValSerAsn

SerAlaSerAlaArgHisArgThrGluAlaLeuMetAspAlaGlnLysGluAspPheAsn

SerLysHisMetAlaAsnGlnArgAlaLeuGlyLysLeuSerAlaHisThrHisThrLeu

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SerCysAsnGlyAlaAlaAlaThrAlaAspLeuAlaLeuGlyArgAlaArgHisThrGln

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GlnValGlnGluArgMetAlaGlyAlaGluArgAlaLeuSerSerAlaGlyGluArgAla

ArgGlnLeuAspAlaLeuLeuGluAlaLeuLysLeuLysArgAlaGlyAsnSerLeuAla

AlaSerThrAlaGluGluThrAlaGlySerAlaGlnGlyArgAlaGlnGluAlaGluGln

LeuLeuArgGlyProLeuGlyAspGlnTyrGlnThrValLysAlaLeuAlaGluArgLys

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LeuLeuGlnAlaAlaGlnAspLysLeuGlnArgLeuGlnGluLeuGluGlyThrTyrGlu

GluAsnGluArgAlaLeuGluSerLysAlaAlaGlnLeuAspGlyLeuGluAlaArgMet

ArgSerValLeuGlnAlaIleAsnLeuGlnValGlnIleTyrAsnThrCysGln

LysSerSerTrpProGlyArgAlaProAsnLysProVal

SEQ ID No. 6: Human laminin gamma1 chain

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AlaIleTyrLysArgThrArgGluAspGlyProTrpIleProTyrGlnTyrTyrSerGly

SerCysGluAsnThrTyrSerLysAlaAsnArgGlyPheIleArgThrGlyGlyAspGlu

GlnGlnAlaLeuCysThrAspGluPheSerAspIleSerProLeuThrGlyGlyAsnVal

AlaPheSerThrLeuGluGlyArgProSerAlaTyrAsnPheAspAsnSerProValLeu

GlnGluTrpValThrAlaThrAspIleArgValThrLeuAsnArgLeuAsnThrPheGly

AspGluValPheAsnAspProLysValLeuLysSerTyrTyrTyrAlaIleSerAspPhe

AlaValGlyGlyArgCysLysCysAsnGlyHisAlaSerGluCysMetLysAsnGluPhe

AspLysLeuValCysAsnCysLysHisAsnThrTyrGlyValAspCysGluLysCysLeu

ProPhePheAsnAspArgProTrpArgArgAlaThrAlaGluSerAlaSerGluCysLeu

ProCysAspCysAsnGlyArgSerGlnGluCysTyrPheAspProGluLeuTyrArgSer

ThrGlyHisGlyGlyHisCysThrAsnCysGlnAspAsnThrAspGlyAlaHisCysGlu

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SerProValGlySerLeuSerThrGlnCysAspSerTyrGlyArgCysSerCysLysPro

GlyValMetGlyAspLysCysAspArgCysGlnProGlyPheHisSerLeuThrGluAla

GlyCysArgProCysSerCysAspProSerGlySerIleAspGluCysAsnIleGluThr

GlyArgCysValCysLysAspAsnValGluGlyPheAsnCysGluArgCysLysProGly

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SerSerGluArgGlnAspIleAlaValIleSerAspSerTyrPheProArgTyrPheIle

AlaProAlaLysPheLeuGlyLysGlnValLeuSerTyrGlyGlnAsnLeuSerPheSer

PheArgValAspArgArgAspThrArgLeuSerAlaGluAspLeuValLeuGluGlyAla

GlyLeuArgValSerValProLeuIleAlaGlnGlyAsnSerTyrProSerGluThrThr

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CysAlaValValProLysThrLysGluValValCysThrAsnCysProThrGlyThrThr

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ProValArgLeuCysArgLeuCysGlnCysSerAspAsnIleAspProAsnAlaValGly

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ProGlyPheTyrAsnLeuGlnSerGlyGlnGlyCysGluArgCysAspCysHisAlaLeu

GlySerThrAsnGlyGlnCysAspIleArgThrGlyGlnCysGluCysGlnProGlyIle

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GluValMetAspLeuLeuArgGluAlaGlnAspValLysAspValAspGlnAsnLeuMet

AspArgLeuGlnArgValAsnAsnThrLeuSerSerGlnIleSerArgLeuGlnAsnIle

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GlyAspLysAlaValGluIleTyrAlaSerValAlaGlnLeuSerProLeuAspSerGlu

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GlnGluAlaAsnAspIleLeuAsnAsnLeuLysAspPheAspArgArgValAsnAspAsn

LysThrAlaAlaGluGluAlaLeuArgLysIleProAlaIleAsnGlnThrIleThrGlu

AlaAsnGluLysThrArgGluAlaGlnGlnAlaLeuGlySerAlaAlaAlaAspAlaThr

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