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Product datasheet for SC214983

Laminin alpha 4 (LAMA4) (NM_001105206) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Laminin alpha 4 (LAMA4) (NM_001105206) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	LAMA4
Synonyms:	CMD1JJ; LAMA3; LAMA4*-1
ACCN:	NM_001105206
Insert Size:	1536 bp

View online »

Insert Sequence:

>SC214983 3'UTR clone of NM_001105206
The sequence shown below is from the reference sequence of NM_001105206. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTAAGCATCAACTCCTGTCCAGCAGCCTGACATGACAGAGCACAGCTGCCCAAATACAAAGTTCTTTAG
AGCACTGAAAGAAACACAAAGCCAGCCAGGAGGAACAGTAACTCTTCCTTCGGGTGGAAGCTTTCATCG
AGTTGAACAGGACTTAAACGAATCATCAGGGACCGGATATTTCTTATTTCTCATTTGGATTCTTAACCT
TGAATCCAAAGTGTCTGCAATGGACAACAATTGAAGGAGTGGCAAACTTACTTGTATTGAGAGCACACG
CAATTCCTACTGGTGAAATTACTGTTTCTGTTTCTAATAAAATAGAAGGGATTCCAAATAAACACTTGC
ACACATTTTTGAAGTGCGGCTAGATTCTCAGATTCACCTTTCTTCCAGGGAAGATAACTTTCAATCTAT
ATAAAAATCTCTGTCCTAAAACTACCTTTCTTTATTTTGAAGAGACTTACTAACTTACATATAATCTAA
ATTAGATGATAGATTTGTTTTTAGCCCTTTTGTTTGGTCTATCAGTATAAGAAGAATATTTTAGGTTTA
TAGCTGAAGTTATCAAGGTTTAATAAAGTAAATTTCTAACAGAATACTAGAAAAATGCAGTATAATTTA
ATTTTTTCTAAATAAGAAACACAGGAAATCAACTACTTTTTCCCCTTCCTTATCTCCTTAAAAGAAAAA
TAAAATTGTACATGAGAGGAGGCTTCTGTAGGTTATTATTACCATTATTGTGTGTTCTATGGGAATCAT
TGAGGATATCACAGCAAAAACAGTAGGACAAAATCATAAAATTCAATTTAAGAGTACACAAGTCCTTTT
ATTAAAAGTTTGCTCCTAGCCTGGGCAACATAATGAGATCCCATCTCTGCAAAAAAATTTGTACATGGG
CATACACCTGTAGTCCCAGCTACTTGGGAGGCTGAGACGGGAGGATCGCTTAAGCTCAGGAGTTCAAGG
CTGCAGTGAGCTATGACTGCTGACTGTACCTGCACTCCAGCCTGGGCAACAGAGTGAGATCCTGTCTCA
AAAACAAAGTGTGCTCTCCACATACCTGCAACACAACTAGTCTTATTTCTAAAATGTTATAATCTTTTT
TCCAAGTAGCTACATTAATATAGTCTAGAAAAAAATGGACTTGAATAGCTGGTAGAATATTAAAATATA
GAAATGAAATAAAAGAATTATATCTAAAAACCTCAACTCAGAAGACAGAAAAAGAGAAAATAGGCCCTG
ATATCAACAGAATTAACAATACATAAAAGGAGTAACTTTTGAGGGGAGAGGATATAAAATATTTTGAGG
AATTACCAAGGGGAATAAAACAATGTTACCTTGAAATGATTATATATATATTACATATTGGTATATATG
TCCATACCTACCTATATCCCCTGCTACCCTTCTGTCTGAAATATACAAATAATGATAATGTTGAAGATA
TCGATAAACATAGCTAATGTCTGTTCATAGAGGACTTACTAAGTGCCAGCCACCATGATAAGCTAAAGT
TAATTATTTTATTTGTTC
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_001105206.3

Summary: Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous constituent of basement membranes. They have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Laminins are composed of 3 non identical chains: laminin alpha, beta and gamma (formerly A, B1, and B2, respectively) and they form a cruciform structure consisting of 3 short arms, each formed by a different chain, and a long arm composed of all 3 chains. Each laminin chain is a multidomain protein encoded by a distinct gene. Several isoforms of each chain have been described. Different alpha, beta and gamma chain isomers combine to give rise to different heterotrimeric laminin isoforms which are designated by Arabic numerals in the order of their discovery, i.e. alpha1beta1gamma1 heterotrimer is laminin 1. The biological functions of the different chains and trimer molecules are largely unknown, but some of the chains have been shown to differ with respect to their tissue distribution, presumably reflecting diverse functions in vivo. This gene encodes the alpha chain isoform laminin, alpha 4. The domain structure of alpha 4 is similar to that of alpha 3, both of which resemble truncated versions of alpha 1 and alpha 2, in that approximately 1,200 residues at the N-terminus (domains IV, V and VI) have been lost. Laminin, alpha 4 contains the C-terminal G domain which distinguishes all alpha chains from the beta and gamma chains. The RNA analysis from adult and fetal tissues revealed developmental regulation of expression, however, the exact function of laminin, alpha 4 is not known. Tissue-specific utilization of alternative polyA-signal has been described in literature. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Aug 2011]

Locus ID: 3910

MW: 59.6