

Product datasheet for **SC213675**

Laminin (LAMC3) (NM_006059) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Laminin (LAMC3) (NM_006059) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	LAMC3
Synonyms:	OCCM
ACCN:	NM_006059
Insert Size:	2000 bp



[View online »](#)

Insert Sequence: >SC213675 3'UTR clone of NM_006059
 The sequence shown below is from the reference sequence of NM_006059. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGCCCGAGAAGTGTGCCAGCTGGCAGTGAAGGGTGCCAGATCCCCGGCACACACTCCCCACCTGCT
GTTTACATGACCCAGGGGTGCACACTACCCACAGGTGTGCCATACAGACATTCCCCGGAGCCGGCT
GCTGTGAACTCGCCCCGTGTGGATAGTCACTCCCTGCCGATTCTGTCTGTGGCTTCTTCCCTGCCAGC
AGGACTGAGTGTGCGTACCCAGTTCACCTGGACATGAGTGCACACTCTCACCCCTGCACATGCATAAAC
GGGCACACCCAGTGTCAATAACATAACACAGTGGGGTGCATGTCTGTGTGTATGACCCACACGTGTT
CAAGTCTAATCCATCCAGTCAGCAGCTTACGGTCCACACACATTACAGTCCACAGCTGTTGTGAGAGCC
ACCTGTGTGCTGGACACCCTCTGGATGTTGGGCAAGTTGTTACATGAGATGCCCTGGGGTGTACATCC
ACTCACTCCAGATAGCAGGGAGTCTCAGCAGATCTGCAGAGATCAAGGGGGTGCAGAACAGCCAAAGC
CCCTAGTCCCAGAGCTGGCTGCCCTCTGTTTACAGCAGCTCCCTGACCTGTGTTGCTGCGTGCCTCC
CTACAGCTCGACACAGCCAGGGGACCAACAGGCCAAGAAATGCAAGATCCCAGGGAGGGTCTTAGCAGC
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CTGGCGGGGGTGTATTGCCTTACCAGGACGCTTCCCTCTCAGGGTCTGGGACTGCACCAGATGCCCT
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GGACTCCTCAGCATTTCCTCTTGGCATCCCTCCCTCTCCAGACCCTTCCAGCAGATGGCAAGGCC
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GGGGATGGTGTGGTGGGCGCTTGAAGGTGGGAGGCAGAGAAGGAAGCATTCCAGGCAAGAGGGTG
GACAACAGTCCGGGGCCCGCAGGGTGGGGCTCGGCCAGCTTGATCACTCCAGGACCCAGGTTGAAT
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TCAGCAGAAAAGGGGTGTTGGGAGGGTCCGTTGGAACCTGGAGTAAAAACGGCTGCCACGTGTTGGAG
ATAGCCTAGGGAGGGGAGCCTGAGGCTCCGGGATAGGTTGGCTTCCCTTCCCCCTCCCGCCTCT
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_006059.4](#)

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 gamma chain isoform laminin, gamma 3. The gamma 3 chain is most similar to the gamma 1 chain, and contains all the 6 domains expected of the gamma chain. It is a component of laminin 12. The gamma 3 chain is broadly expressed in skin, heart, lung, and the reproductive tracts. In skin, it is seen within the basement membrane of the dermal-epidermal junction at points of nerve penetration. Gamma 3 is also a prominent element of the apical surface of ciliated epithelial cells of lung, oviduct, epididymis, ductus deferens, and seminiferous tubules. The distribution of gamma 3-containing laminins along ciliated epithelial surfaces suggests that the apical laminins are important in the morphogenesis and structural stability of the ciliated processes of these cells. [provided by RefSeq, Aug 2011]

Locus ID:

10319

MW:

70.1