

Product datasheet for **SC300029**

Laminin 5 (LAMB3) (NM_000228) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Laminin 5 (LAMB3) (NM_000228) Human Untagged Clone
Tag: Tag Free
Symbol: LAMB3
Synonyms: A11A; BM600-125KDA; LAM5; LAMNB1
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000228 edited
GGCTGTTGTTTAAAAACCTGGAGCCGGGAGGGGAGACCCCCACATTCAAGAGGAGCTTTC
AGGCGATCTGGAGAAAGAACGGCAGAACACAGCAAGGAAAGGTCTTTCTGGGGATCA
CCCCATTGGCTGAAGATGAGACCATTCTTCTCTTGTGTTTTGCCCTGCCTGGCCTCCTG
CATGCCCAACAAGCCTGCTCCCGTGGGGCCTGCTATCCACCTGTTGGGGACCTGCTTGT
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TGCACCCAGTATGGCGAGTGGCAGATGAAATGCTGCAAGTGTGACTCCAGGCAGCCTCAC
AACTACTACAGTCACCGAGTAGAGAATGTGGCTTCATCTCCGGCCCCATGCGTGGTGG
CAGTCCCAGAATGATGTGAACCTGTCTCTGTCAGCTGGACCTGGACAGGAGATTCCAG
CTTCAAGAAGTCATGATGGAGTCCAGGGGCCATGCCCGCCGGCATGCTGATTGAGCGC
TCCTCAGACTTCGGTAAGACCTGGCGAGTGTACCAGTACCTGGCTGCCGACTGCACCTCC
ACCTTCCCTCGGGTCCGCCAGGGTCCGGCTCAGAGCTGGCAGGATGTTCCGGTGCCAGTCC
CTGCCTCAGAGGCCTAATGCACGCCTAAATGGGGGAAGGTCCAACCTAACCTTATGGAT
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GCTGATCGCTGCGCACCAAGCCTGGGGCCTCTGCAGGCCCTCCACCGCTGTGCAGGTC
CACGATGTCTGTCTGCCAGCACAACTGCCGGCCAAATTTGTGAGCGCTGTGCACCC
TTCTACAACAACCGCCCTGGAGACCGGGGAGGCCAGGACCCCATGAATGCCAAAGG
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GGCTTCACTGGACTCACCTACGCCAACCCGAGGGCTGCCACCGCTGTGACTGCAACATC
CTGGGGTCCCGGAGGGACATGCCGTGTGACGAGGAGAGTGGGCGCTGCCTTTGTCTGCC
AACGTGGTGGTCCCAAATGTGACCAGTGTGCTCCCTACCACTGGAAGCTGGCCAGTGGC



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CAGGGCTGTGAACCGTGTGCCTGCGACCCGCACAACCTCCCTCAGCCACAGTGCAACCAG
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 ATCCGCCAGTGTCCAGACCGGACCTATGGAGACATGGCCACAGGATGCCGAGCCTGTGAC
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 GGCAGCCAGGCCATCATGCTGCGCTCAGCGGACCTGACAGGACTGGAGAAGCGTGTGGAG
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 CCCTGGTGTAGCTAGTAAGATTACCTGAGCTGCAGCTGAGCCTGAGCCAATGGGACA
 GTTACACTTGACAGACAAAGATGGTGGAGATTGGCATGCCATTGAACTAAGAGCTCTCA
 AGTCAAGGAAGCTGGGCTGGGCAGTATCCCCGCTTTAGTTCTCCACTGGGGAGGAATC
 CTGGACCAAGCACAAAACTTAAACAAAAGTATGTAATAAATGAAAAGCCAAATAAAAAATC
 TTTGAAAAAGAGCAA
 AA

Restriction Sites:

Please inquire

ACCN:

NM_000228

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to differ from the protein associated to this reference by a single amino acid.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_000228.2 , NP_000219.2
RefSeq Size:	4093 bp
RefSeq ORF:	3519 bp
Locus ID:	3914
UniProt ID:	Q13751
Cytogenetics:	1q32.2
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	ECM-receptor interaction, Focal adhesion, Pathways in cancer, Small cell lung cancer
Gene Summary:	<p>The product encoded by this gene is a laminin that belongs to a family of basement membrane proteins. This protein is a beta subunit laminin, which together with an alpha and a gamma subunit, forms laminin-5. Mutations in this gene cause epidermolysis bullosa junctional Herlitz type, and generalized atrophic benign epidermolysis bullosa, diseases that are characterized by blistering of the skin. Multiple alternatively spliced transcript variants that encode the same protein have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1, also known as B3A) encodes the same protein as variants 2 and 3.</p>