

Product datasheet for **SC323262**

Laminin 5 (LAMB3) (NM_001127641) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Laminin 5 (LAMB3) (NM_001127641) Human Untagged Clone
Tag: Tag Free
Symbol: LAMB3
Synonyms: A11A; BM600-125KDA; LAM5; LAMNB1
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001127641, the custom clone sequence may differ by one or more nucleotides

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ATGAGACCATTCTTCTCTGTGTTTTGCCCTGCCTGGCCTCCTGCATGCCCAACAAGCC
TGCTCCCGTGGGGCTGCTATCCACCTGTTGGGGACCTGCTTGTGGGAGGACCCGGTTT
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GACCGGACCTATGGAGACGTGGCCACAGGATGCCGAGCCTGTGACTGTGATTTCCGGGGA
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TGCCACCCTTGCTTCCAGACCTATGATGCGGACCTCCGGGAGCAGGCCCTGCGCTTTGGT
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GAGATGATGGACAGGATGAAAGACATGGAGTTGGAGCTGCTGCGGGGCAGCCAGGCCATC
ATGCTGCGCTCAGCGGACCTGACAGGACTGGAGAAGCGTGTGGAGCAGATCCGTGACCAC
ATCAATGGGCGCGTGCTCTACTATGCCACCTGCAAG
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- Restriction Sites:** Please inquire
- ACCN:** NM_001127641
- 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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:

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_001127641.1](#), [NP_001121113.1](#)

RefSeq Size: 4067 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: 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] Transcript Variant: This variant (3, also known as B3B) has an alternate 5' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.