

Product datasheet for **MC229434**

Lamb3 (NM_001277928) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lamb3 (NM_001277928) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lamb3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229434 representing NM_001277928 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGCATTTTCTCCTGTGGCTTGCCTTGCCTGGCTTCTGTGTGCCAGCAAGCCTGCTCCCGAG
GGCCTGTATCCACCTGTGGGGACTTGTCTATTGGAAGGACTCAGCTTCTTCGAGCCTCATCTACCTG
TGGATTGACCAAACTGAGACCTATTGCACCCAATATGGACAGTGCAGATGAAATGCTGCAAGTGTGAC
TCCAGGCTGCCTCGAAATTACAACAGTCACCGAGTGGAGAATGTCGCATCGTCTTCAGGCCCATGCGCT
GGTGGCAGTCACAGAATGATGTGAGCCCTGTCTCTGACAGTGGACCTAGACAAGAGGATGACGCTTCA
GGACATCATGATGGATTTAAGGGTCTCACACCAGCTGGCATGTTGATTGAGCGCTTCTGACTTTGGC
AAGACATGGAGGGTGTACCAGTACCTGGCGACAGACTGTGCCAGCACCTTCCCCAGGTCCACCAGGGCC
AGCCCAAGAACTGGCAGGACGTCCGGTCCCGCCCTTGTCCAGAGGCCTAATGGGCATCTGACTGGGGG
AAAGGTCCAACCTAACCTTATGGATTTAGCATCAGCTATCCCTGCATCTCAAAGTAAAAAGATTCAAGAA
CTTGGGGACATCACAACTTGAGAGTCACTTCACCAAGCTGGCCCTGTGCCCCAGAGGGGCTCCTATC
CACCCAGCGCCTACTTTGCAGTGTACAGCTACGTCTACAGGGGAGTTGCTTCTGTACGGACATGCCGA
CCGCTGTGCCCTAATCCTGGAGTTCTACCAGTGTGTGAGGTCAACAATGTCTGTGTCTGCCAGCAT
AACACAGCTGGCCCAATTGTGACCGCTGTGCCCTTTCTACAACAACCGTCCATGGAGACCTGCAGAGG
GCCAGGACACCCACGAGTGC AAAGGTGTGACTGCAATGGGCACTCAGAGACCTGCCACTTCGACCCAGC
TGTGTTTGTCTGCCAGCCAGGGGACAAAATGGAGGTGTGTGTGACAACCTGCCGGGACACACCCAGGGCAAG
AACTGCGAGCGTGTGACGCTACACTATTTCCGGAATAGACGACCCAGCGCTCCCATTTCATGAGACTTGT
TTCCCTGTGAGTGTGATCCAGATGGAGCAGTCCAGGGAGCTCCCTGTGACCGACTGACGGCCAGTGTGT
GTGCAAAGAGTACGTGCAAGGAGAGCGCTGCGACCTTTGCAAGCCTGGCTTACCAGGGCTCACCTTCGCC
AAACCCGAGCGTCTTGTGTCTGCCAATGTAGTGGGCCCAAATGTGACCAAGTGTGCCCTTCCCACTG
GAAGCTGGCCAGCGCCCTGGGCTGCGAGCCCTGTGCCTGTGACCCCTCGAACTCCCTAAGCTCCCACTGC
AACCAAGTTACAGGACAGTGTCTTGTGCGGAAGGGTTTGGCGGCCTCACGTGTAGTTCTGCAGCCATCC
GCCAGTGTCTGACCAGACCTATGGACACGTGGCCACAGGGTCCGAGCTTGTGACTGTGACTTCAGAGG
AACAGAGGGTCTGGCTGTGACAAAGCCTCAGGCCGTTGCCTCTGCCGCCCTGGCTTACCAGGGCCCGC



[View online »](#)

TGTGACCAATGCCAACGAGGTCCTGTGACCGCTACCCAGTATGTGTGGCCTGCCACTCCTGCTCCAGG
 CCTATGACACAGACCTCCAGGAGCAAGCTCGACGCCTTCACAGTCTCCGTAATGCCACCGAAGGCCTGTG
 GACAGGGACAGGTCTGGAAGACCATGGCCTGGCTTCTCGTTGCTAGATGCCAAGAGCAAGATTGAGCAG
 ATCAGACAGATTCTGGAAGGCACCTTCTGTACAGAGCAGGATGTGGCTCAGGTGGCCAATGGCATCTTGT
 CTATCAGGAGAATCTTCAGGGCCTGCCCTGGACCTGCCCTTAGAGGAGGAGATGGAATCCTTCTCTGG
 AGACCTGGGGAATCTAGACAGAAGCTTCAGTCCGGCTCCTTATGTACCGAAGCAAGAAGGAGCAATTT
 GAGAAGCTAAGCAGTGAAGACCTTCAGGAGCCTCCGCATGCTGACCATGGCTTATGAGCAGTCTCC
 GGGCTGCACAGCAAGTGTCTGACAGTTCTAGCCTGCTGAGCCAGTTGAGGGACAGTCGCAGGGAAGCAGA
 GGGCCTGGAGAGACAGGCTGGAGGAGGAGCACCGGAGGAGCTCAGCTCATGGCCCTGCGCTAGAAATG
 GCTTCGCTGCCTGACTTGACACCCACCATCAACAAGCTTTGTGGCAGGTCTAGGCAGACAGCCTGTACTC
 CAGGAGATTGCCCTGGAGAGCTGTGCTCCTCAGGACAATGGTACAGCTTGTGGCTCTCACTGCAGGGGAGC
 CCTGCCAGAGCCAAAGGGGCTTCCACATGGCAGGGCGGGTAGCTGAGCAGCTACGAACTTCAACACC
 CAGCTCCAGCAGACCAGGCAATGATCAGGGCAGCCGAGGAAGCAGCATCAAGGGTCCAAGCCGATGCC
 AGCGCCTTGAGACCCAGGTGAGTACCAGCCGCTTGTCTGATGGAGGAAGATGTCCAGCGCACAGGCTTCT
 CATCCAACAGGTCCGGGGCTTTCTCACAGATCCTGACACAGATGCAGCCACCATCCAACAGGTGAGCGAG
 GCAGTGTGGCTCTCTGGCTGCCACAGACTCAGCCACAGTGTGCGCAAGATGAAAGAGATCCAGGCCA
 TTGCGGCCAGGCTCCCTAATGTGGACTCAGTGTATCCCAGACCAACAAGACATCGCACGGGCCCGCAG
 GCTCCAGGCTGAGGCTGAGCAGGCCAGAAGCCGAGCCACGCTGTGGAAGGGCAGGTAGATGATGTGGTC
 GGGAACTTCGGCAGGGCACCGTGGCTCTGAGGAAGCTCAGGACACAATGCAGGGTACTGGCCGCTCTC
 TTCGGCTCATCCAGAAAGGGTTGGTGAAGTTACGAGGTCCTTGTACCAGTGAAGGGTGGTGAAGG
 CATGAAGAACAGATGAGTGGATTCTGGCAGGGATGAAGGAGCTTCGCCGTGAGGCCAGGAGGAGCAG
 GCCCAGGCAATGCAGGCCCGCAGCTTGCAGAGGGTCCAGCCAGCAGGCAATGAATGCCAGGAGGGCT
 TTAAGAGACTTAAGCAAAAGTATACAGAGTTGAAGGACCGGCTGGGTGAGTCTGTGGCGAGCA
 AGGCAATCGAATCCTGAGCATCAAGATGGAGGCAGAGGAGCTTTTGGGGAGACCATGGAATGATGGAC
 AAAATGAAAGACATGGAGTCAGAGCTGCTTCGAGGGAGTCAGGCTATCATGCTGCGCTCTGCAGACCTGT
 CGGGGCTGGAGAAGCGTGTGGAGCAGATCCGCAGTTACATCAATGGGCGAGTGTCTACTATGCCACCTG
 CAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001277928
- Insert Size:** 3507 bp
- 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001277928.1](#), [NP_001264857.1](#)

RefSeq Size: 4016 bp

RefSeq ORF: 3507 bp

Locus ID: 16780

UniProt ID: [Q61087](#)

Cytogenetics: 1 97.71 cM

Gene Summary: Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.