

## Product datasheet for MC223783

### Lamb3 (NM\_008484) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lamb3 (NM_008484) 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:	>MC223783 representing NM_008484 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGACAGCATTTTCTCCTGTGGCTTGCCTTGCCTGGCTTCTGTGTGCCAGCAAGCCTGCTCCCGAG  
GGCCTGTATCCACCTGTGGGGACTTGCTCATTGGAAGGACTCAGCTTCTTCGAGCCTCATCTACCTG  
TGGATTGACCAAACCTGAGACCTATTGCACCCAATATGGACAGTGCAGATGAAATGCTGCAAGTGTGAC  
TCCAGGCTGCCTCGAAATTACAACAGTCACCGAGTGGAGAATGTCGCATCGTCTTCAGGCCCATGCGCT  
GGTGGCAGTCACAGAATGATGTGAGCCCTGTCTCTGACAGTGGACCTAGACAAGAGGATGACGCTTCA  
GGACATCATGATGGATTTAAGGGTCTCACACCAGCTGGCATGTTGATTGAGCGCTTCTGACTTTGGC  
AAGACATGGAGGGTGTACCAGTACCTGGCGACAGACTGTGCCAGCACCTTCCCCAGGTCCACCAGGGCC  
AGCCCAAGAACTGGCAGGACGTCCGGTCCCGCCCTTGTCCAGAGGCCTAATGGGCATCTGACTGGGGG  
AAAGGTCCAACCTAACCTTATGGATTTAGCATCAGCTATCCCTGCATCTCAAAGTAAAAAGATTCAAGAA  
CTTGGGGACATCACAACTTGAAGTCACTTCACCAAGCTGGCCCTGTGCCCCAGAGGGGCTCCTATC  
CACCCAGCGCCTACTTTGCAGTGTACAGCTACGTCTACAGGGGAGTTGCTTCTGTACGGACATGCCGA  
CCGCTGTGCCCTAATCCTGGAGTTCTACCACTGCTGTGCAGGTCAACAATGTCTGTGTCTGCCAGCAT  
AACACAGCTGGCCCAATTGTGACCGCTGTGCCCTTTCTACAACAACCGTCCATGGAGACCTGCAGAGG  
GCCAGGACACCCACGAGTGC AAAGGTGTGACTGCAATGGGCACTCAGAGACCTGCCACTTCGACCCAGC  
TGTGTTTGTCTGCCAGCCAGGGGACAAATGGAGGTGTGTGTGACAACCTGCCGGGACCACCCAGGGCAAG  
AACTGCGAGCGTGTGAGTACACTATTTCCGGAATAGACGACCCAGCGCTCCCATTTCATGAGACTTGT  
TTCCCTGTGAGTGTGATCCAGATGGAGCAGTCCAGGGAGCTCCCTGTGACCGACTGACGGCCAGTGTGT  
GTGCAAAGAGTACGTGCAAGGAGAGCGCTGCGACCTTTGCAAGCCTGGCTTACCAGGGCTCACCTTCGCC  
AAACCGGACGCTGCTTGTGTCTGCCAATGTAGTGGGCCCAAATGTGACCAAGTGTGCCCTTCCCACTG  
GAAGCTGGCCAGCGCCCTGGGCTGCGAGCCCTGTGCCTGTGACCCCTCGAACTCCCTAAGCTCCCAGTGC  
AACCAAGTTACAGGACAGTGTCTTGTGCGGAAGGGTTTGGCGGCCTCACGTGTAGTTCTGCAGCCATCC  
GCCAGTGTCTGACCAGACCTATGGACACGTGGCCACAGGGTCCGAGCTTGTGACTGTGACTTCAGAGG  
AACAGAGGGTCTGGCTGTGACAAAGCCTCAGGCCGTTGCCTCTGCCGCCCTGGCTTACCAGGGCCCGC



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TGTGACCAATGCCAACGAGGTCCTGTGACCGCTACCCAGTATGTGTGGCCTGCCACTCCTGCTCCAGG  
 CCTATGACACAGACCTCCAGGAGCAAGCTCGACGCCTTACAGTCTCCGTAATGCCACCGAAGGCCTGTG  
 GACAGGGACAGGTCTGGAAGACCATGGCCTGGCTTCTCGTTGCTAGATGCCAAGAGCAAGATTGAGCAG  
 ATCAGACAGATTCTGGAAGGCACCTTCTGTACAGAGCAGGATGTGGCTCAGGTGGCCAATGGCATCTTGT  
 CTATCAGGAGAATCTTCAGGGCCTGCCCTGGACCTGCCCTTAGAGGAGGAGATGGAATCCTTCTCTGG  
 AGACCTGGGGAATCTAGACAGAAGCTTCAGTCGGCTCCTCCTTATGTACCGAAGCAAGAAGGAGCAATTG  
 GAGAAGCTAAGCAGTGAAGACCTTCAGGAGCCTCCGCATGCTGACCATGGCTTATGAGCAGTCTCC  
 GGGCTGCACAGCAAGTGTCTGACAGTTCTAGCCTGCTGAGCCAGTTGAGGGACAGTCGCAGGGAAGCAGA  
 GGGCCTGGAGAGACAGGCTGGAGGAGGAGCACCGGAGGAGCTCAGTCTATGGCCCTGCGCTAGAAATG  
 GCTTCGCTGCCTGACTTGACACCCACCATCAACAAGCTTTGTGGCAGGTCTAGGCAGACAGCCTGTACTC  
 CAGGAGATTGCCCTGGAGAGCTGTGCTCCTCAGGACAATGGTACAGCTTGTGGCTCTCACTGCAGGGGAGC  
 CCTGCCAGAGCCAAAGGGGCTTCCACATGGCAGGGCGGGTAGCTGAGCAGCTACGAACTTCAACACC  
 CAGCTCCAGCAGACCAGGCAATGATCAGGGCAGCCGAGGAAGCAGCATCAAGGGTCCAAGCCGATGCC  
 AGCGCCTTGAGACCCAGGTGAGTACCAGCCGCTTGTCTGATGGAGGAAGATGTCCAGCGCACAGGCTTCT  
 CATCCAACAGGTCGGGGCTTTCTCACAGATCCTGACACAGATGCAGCCACCATCCAACAGGTCAGCGAG  
 GCAGTGTGGCTCTCTGGCTGCCACAGACTCAGCCACAGTGTGCGCAAGATGAAAGAGATCCAGGCCA  
 TTGCGGCCAGGCTCCCTAATGTGGACTCAGTGTATCCCAGACCAACAAGACATCGCACGGGCCCGCAG  
 GCTCCAGGCTGAGGCTGAGCAGGCCAGAAGCCGAGCCACGCTGTGGAAGGGCAGGTAGATGATGTGGTC  
 GGGAACTTCGGCAGGGCACCGTGGCTCTGCAGGAAGCTCAGGACACAATGCAGGGTACTGGCCGCTCTC  
 TTCGGCTCATCCAGGAAAGGGTTGGTGAAGTTCAGCAGTCTTGTACCAGTGAAGGCTGGTGAAGG  
 CATGAAGAACAGATGAGTGGATTCTGGCAGGGATGAAGGAGCTTCGCCGTGAGCCAGGAGGAGCAG  
 GCCCAGGCAATGCAGGCCCGCAGCTTGCAGAGGGTCCAGCCAGCAGGCAATGAATGCCAGGAGGGCT  
 TTAAGAGACTTAAGCAAAAGTATACAGAGTTGAAGGACCGGCTGGGTGAGTCTGTGGGCGAGCA  
 AGGCAATCGAATCCTGAGCATCAAGATGGAGGCAGAGGAGCTTTGGGGAGACCATGGAATGATGGAC  
 AAAATGAAAGACATGGAGTCAGAGCTGCTTCGAGGGAGTCAAGGCTATCATGCTGCGCTCTGCAGACCTGT  
 CGGGGCTGGAGAAGCGTGTGGAGCAGATCCGCAGTTACATCAATGGGCGAGTGTCTACTATGCCACCTG  
 CAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_008484
- 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).
- 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\\_008484.2](#), [NP\\_032510.2](#)

RefSeq Size: 4055 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 (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.