

Product datasheet for MC224961

Lamb1 (NM_008482) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lamb1 (NM_008482) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lamb1
Synonyms:	C77966; C80098; C81607; D130003D08Rik; Lamb-1; Lamb1-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224961 representing NM_008482 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGGGCCCTCTCCTCTCTCCAACATTTGCCTTTCTCCCGCTACCTCTCCAGAAAGGAAGACC
CGAAGAAAAGACAGGCAGCTTGCTGCTGCTCCTTCCCGTCCCGCTCCCTCGTCTGCGAGGACT
GGACATGGGGCTGCTCCAGGTGTTGCGCTTTGGTGTCTAGCCCTATGGGGCACCCGAGTGTGCGCTCAG
GAACCGGAGTTACGCTATGGCTGCGCAGAAGGCAGCTGCTACCCTGCCACTGGCGACCTTCTCATCGGCC
GAGCGCAAAGCTCTCCGTGACTTCGACATGTGGACTGCACAAACCAGAGCCCTACTGTATTGTTAGCCA
CCTGCAGGAGGACAAGAAATGCTTCATATGTGACTCCCGAGACCCTTATCACGAGACCCTCAACCCGAC
AGCCATCTCATTGAGAACGTGGTCACCACATTTGCTCCAAACCGCCTAAGATCTGGTGGCAATCGGAAA
ATGGTGTGGAGAACGTGACCATCCAACCTGGACCTGGAAGCAGAATTCCATTTCACTCATCTCATGAC
CTTCAAGACATTCGCCCAGCCCATGCTGATCGAGCGGTCTTCTGACTTTGGGAAGGCTTGGGGCGTG
TACAGATACTTCGCCTACGACTGTGAGAGCTCGTCCAGGCATTTCACTGGACCATGAAGAAAGTGG
ATGACATCATCTGTGACTCTCGATATTCTGACATTGAGCCCTCGACAGAAGGAGAGGTAATATTTCTGTC
TTTAGATCCTGCTTTCAAATTGAAGACCCTTATAGTCCAAGGATACAGAATCTATTAATAAATCACCAAC
TTGAGAATCAAGTTTGTGAAACTGCACACCTTGGGGGATAACCTTTTGGACTCCAGAATGAAATCCGAG
AGAAGTACTATTACGCTGTTTATGATATGGTGGTTCGAGGGAAGTCTTCTGCTATGGCCACGCCAGTGA
ATGCGCCCTGTGGATGGAGTCAATGAAGAAGTGAAGGAATGGTTCACGGGCACTGCATGTGCAGACAC
AACACCAAAGGCCTGAAGTGTGAGCTGTGCATGGATTTCTACCACGATTTGCCGTGGAGACCTGCTGAAG
GCCGGAACAGCAACGCCTGCAAAAAATGTAAGTCAATGAACATTCAGCTCGTGTCACTTTGACATGGC
AGTCTTCTGGCTACTGGCAACGTGAGGGGGAGTGTGTGATAACTGTCAGCACAACACCATGGGGCGC
AACTGTGAACAGTCAAAACCGTTCTACTTCCAGCACCTGAGAGGGACATCCGGGACCCCAATCTCTGTG
AACCATGTACCTGTGACCCAGCTGGTTCTGAGAATGGCGGGATCTGTGATGGGTACACTGATTTTCTGT
GGGTCTCATTGCTGGTCACTGTCGGTGCATTTGCAAGTTCACGCTGGAGGGAGAGCGCTGTGATGTTGTAAGAA
GGCTTCTACGACTTAAGTGTGAAGACCGTATGGTTGTAATCATGTGCTTGAATCCTCTGGGAACAA



TTCTGGTGGGAATCCTTGTGATTCTGAGACTGGCTACTGCTACTGTAAGCGCCTGGTGACAGGACAGCG
 CTGTGACCAGTGCCTGCCGACGACTGGGGTTAAGCAATGATTTGGATGGGTGTCGACCTTGTGACTGT
 GACCTTGGAGGGGCGCTGAACAAAGCTGCTCCGAGGACTCCGGCCAGTGTCTCTGCCTGCCCCACATGA
 TTGGGGCGCAGTGAACGAGGTGGAGTCCGGTTACTACTTACCACCCTGGACCACTACATCTACGAAGC
 CGAGGAAGCCAATCTGGGGCCTGGAGTCATTGTGGTGGAAAGGCAGTACATTGAGACCCGATTCCTTCC
 TGGACAGGACCTGGGTTCTGTCGGGTGCCTGAAGGGCTTATTTGGAGTTTTTTCATTGACAACATACCGT
 ATTCATGGAGTATGAAATCCTGATTGCTATGAGCCACAGCTGCCGGACCACTGGGAGAAAGCTGTCAT
 CACTGTACAGCGCCGGGAAGATTCCAGCCAGCAGCCGATGTGGTAAACCCGTTCCCGATGATGACAAC
 CAGGTGGTGTCTTGTCCACGGGCTCAAGATACGTTGTCCTCCCTCGCCCCGTGTGCTTTGAGAAGGAA
 TGAACACACGGTGGAGTGGAGCTGCCCCAGTATACGGCATCGGGCAGTGACGTGGAGAGCCCTTACAC
 GTTCATCGACTCGCTTGTCTCATGCCCTACTGTAATCGCTGGACATCTTCACTGTTGGCGGCTCAGGC
 GATGGGGAGTACCAATAGTGCCTGGGAACTTCCAGCGCTACAGGTGTCTGGAGAACAGCAGGAGTG
 TGGTAAAAACCCCATGACAGATGTCTGCAGAAACATTATCTTACAGATTTCTGCCTTGATTACCAGAC
 GGGCCTTGCTTGTGAATGTGACCCCGAGGATCTCTGAGTCTGTGTGTGACCCCAATGGTGGCCAGTGC
 CAGTGCCTCCTAATGTGGTTGGAAGAACCTGCAACAGGTGTGCCCGGGCACCTTTGGCTTTGGCCCCA
 ACGGATGCAAACCTTGTGACTGCCATCTGCAAGGGTCTGCCAGTGCCTTCTGCGATGCGATCACTGGCCA
 GTGCCACTGTTTCCAGGGCATCTATGCTCGGCAGTGTGACCGATGTCTCCCTGGGTATTGGGGCTTTCC
 AGCTGCCAGCCCTGCCAGTGAATGGTCATGCTTAGACTGTGACACAGTGACAGGGGAGTGTCTGAGCT
 GTCAGGACTACACCACGGGCCACAACCTGCGAAAGGTGCCTGGCTGGCTACTACGGTGTATCCCATATTGG
 GTCAGGAGACCACTGTGCCCCCTGCCCTTGTCTGATGGTCTGACAGTGGACGACAGTTTCCAGGAGC
 TGTTATCAAGACCCCGTCACTCTCCAGCTTGCCTGTGTTGTGATCCTGGGTACATTGGCTCCAGATGTG
 ATGACTGTGCCTCTGGATTTTTTGGCAATCCCTCAGACTTTGGGGTTCATGTCAACCATGTCACTGCCA
 CCACAACATTGACACTACCGATCCAGAAGCTGTGACAAGGAGACGGGACGATGCCTCAAGTCTGTATAC
 CACACAGAAGGGGACCATTGCCAGCTCTGCCAGTATGGGTACTACGGCGATGCTCTTCGCAAGACTGTA
 GAAAGTGTGTCTGCAATTACCTGGGCACGGTGAAGGAACATTGTAATGGCTCTGACTGCCACTGTGACAA
 AGCCACTGGTCAGTGTCTGCTGCCCTTCCCAATGTGATCGGGCAGAAGTGTGACCGGTGTGCGCCCAACACC
 TGGCAGCTGGCTAGCGGGACTGGCTGCGGGCCCTGCAATTGCAATGCTGCGCATTCTTTGGGCCATCCT
 GCAACGAGTTCACAGGGCAGTGCAGTGCATGCCGGCTTTGGAGGCCGAACCTGACGCGAGTGCAGGA
 GCTCTTCTGGGGAGACCCTGATGTGGAATGCCGAGCCTGTGACTGTGATCCAGGGGCATTGAGACACCT
 CAGTGTGACCACTCCAGGGCCAGTGTGTCTGTGTGGAGGGTGTAGAGGGTCTCGCTGCGACAAGTGCA
 CCAGAGGTTACTCGGGGCTTTTCTGACTGCACACCCTGCCACCAGTGTCTTGTCTCTGGGATGCTAT
 CATTGGTGTGAGCTGACCAACAGGACCCACAAATCCTGGAGAAAGCAAGGCTCTGAAAATCAGTGGTGTG
 ATTGGTCCCTACCGAGAGACCGTGGACTCTGTAGAGAAGAAAGTCAATGAGATAAAAAGACATCTGGCCC
 AGAGCCCAGCAGCGGAACCACTGAAAAACATTGGCATTCTCTTCCAGGAGGCAGAGAAAATAACCAAGA
 TGTACAGAAAAGATGGCGCAGGTAGAAGTGAATTAACATGATACAGCTTACAGAGTAACAGCACAGCT
 GGAGAGCTCGGGCAGTGCAGGCAGAAGCAGAGAGCCTTGACAAGACCGTGAAGGAGTGGCAGAACAGC
 TGGAGTTTATCAAAAACCCGATATTCAGGGCCCTTGGATAGCATCACCAAGTATTTCCAGATGTCTCT
 TGAGGCAGAGAAGCGGGTGAATGCCTCCACCACAGACCCCAACAGCACTGTGGAGCAGTGTCCCTCAGC
 CGAGACAGAGTAGAAGATCTGATGTTGGAGCGAGAGTCTCCGTTCAAGGAGCAGCAGGAGGAACAGGCAC
 GCCTCCTGGACGAACTGGCCGGCAAACCTGCAAAGTCTCGACCTGTGCGGCTTGTGACAGATGACCTGTGG
 AACACCTCCAGGGGCTGACTGTTCTGAAAGTGAATGTGGTGGCCCCAACTGCAGAAGTGCAGAACGAGAG
 AAGAAGTGTGGGGGCTGGCTGTGGTGGTCTGGTCACTGTGGCCACAGTGTGGCAGAAAGCCATGG
 ATTTTACCGTGTGCTCTGAGTGCCTGGCTGAAGTGAACAGCTCTCCAAGTGGTCTCTGAAGCAAA
 AGTGAGAGCAGATGAGGCGAAGCAGAATGCGCAGGATGTCTGTTAAAAACAAATGCTACCAAGAAAAA
 GTGGACAAGAGCAACGAGGACCTGCGGAACCTCATCAAGCAGATCAGAAACTTCTGACTGAGGATAGTG
 CTGATCTAGACAGTATTGAAGCAGTTGCTAATGAAGTACTGAAAATGAAAATGCCTAGCACGCCACAGCA
 GTTACAGAACCTAACAGAAGACATTCGGGAGCGAGTTGAAACCTCTCTCAAGTAGAGGTTATTTTGCAG
 CAGAGTGCAGCTGACATTGCCAGAGCTGAGCTGTTGCTTGGAGGAGCTAAGAGAGCAAGCAAAAGTGCAA
 CAGATGTTAAAGTCACTGCAGACATGGTGAAGGAAGCATTAGAAGAAGCAGAAAAGGCCAGGTTGCAGC
 AGAGAAGGCGATTAAACAAGCTGATGAGGATATCCAAGGAACCCAAAACCTGCTAACATCGATTGAATCT
 GAAACGGCAGCTTCTGAGGAAACCTGACCAACGCCTCCAGCGCATCAGCAAGCTTGGAGGAAAGCTGG
 AAGAGCTTAAGCGTAAAGCTGCCAGAAGCTCTGGGAGGCAGAATATATCGAAAAAGTAGTATATTCTGT

AAAACAGAATGCAGACGATGTTAAGAAGACTCTAGATGGCGAACTTGATGAAAAGTATAAGAAGGTAGAA
AGTTTAAATGCCCAAAAACTGAAGAGTCAGCAGATGCCAGGAGGAAAGCTGAGCTGCTACAAAATGAAG
CAAAAACACTCTTGGCTCAAGCTAACAGCAAGCTCCAGCTGTTGGAAGACTTAGAAAAGAAAATATGAGGA
CAATCAAAAATACTTAGAAGATAAAGCTCAAGAATTGGTGCAGCTGGAAGGAGAGGTTCCGCTCCCTCCTT
AAGGACATAAGTGAGAAAGTTGCGGTTTACAGCACCTGCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_008482
Insert Size:	5505 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:	<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_008482.2 , NP_032508.2
RefSeq Size:	5778 bp
RefSeq ORF:	5505 bp
Locus ID:	16777
Cytogenetics:	12 13.39 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. Involved in the organization of the laminar architecture of the cerebral cortex (By similarity). It is probably required for the integrity of the basement membrane/glia limitans that serves as an anchor point for the endfeet of radial glial cells and as a physical barrier to migrating neurons (By similarity). Radial glial cells play a central role in cerebral cortical development, where they act both as the proliferative unit of the cerebral cortex and a scaffold for neurons migrating toward the pial surface (By similarity).[UniProtKB/Swiss-Prot Function]