

Product datasheet for MR231645

Lamb3 (NM_001277928) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lamb3 (NM_001277928) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lamb3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR231645 representing NM_001277928 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGACAGCATTTTTCTCTGTGGCTTGCCCTGGCTTCTGTGTGCCAGCAAGCCTGCTCCCGAG
GGGCTGTTATCCACCTGTGGGGACTTGCTCATTGGAAGGACTCAGCTTCTTCGAGCCTCATCTACCTG
TGGATTGACCAACCTGAGACCTATTGCACCCAATATGGACAGTGGCAGATGAAATGTGCAAGTGTGAC
TCCAGGCTGCCTCGAAATTACAACAGTCACCGAGTGGAGAATGTCGCATCGTCTTCAGGCCCATGCGCT
GGTGGCAGTCACAGAATGATGTGAGCCCTGTCTCTGACGTGGACCTAGACAAGAGGATGACAGTTC
GGACATCATGATGGATTTAAGGGTCTCACACCAGCTGGCATGTTGATTGAGCGCTCTTCTGACTTTGGC
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AACAGAGGGTCTGGCTGTGACAAAGCCTCAGGCCGTTGCCTCTGCCGCCCTGGCTTTACCGGGCCCCGC
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CAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >MR231645 representing NM_001277928
 Red=Cloning site Green=Tags(s)

MTAFFLLWLALPGFLCAQQACSRGACYPPVGDLLIGRTQLLRASSTCGLTKPETYCTQYGGQWQMKCKCD
 SRLPRNYNSHRVENVASSSGPMRWWQSQNDVSPVSLQLDLDKRMQLQDIMDFKGLTPAGMLIERSDFG
 KTWRVYQYLATDCASTFPQVHQGPKNWQDVRCRPLSQRPNHGLTGGKVQLNMDLASAIPASQSKKIQE
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 QLQQRQMIRAAEEAASRVQADAQRLETQVSTSRLLMEEDVQRTRLLIQYVRGFLTDPDTAATIQQVSE
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 AQAMQARQLAEGASQQAMNAQEGFKRLKQKYTELKDRLGQSPVLGEQGNRILSIKMEAEELFGETMEMMD
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

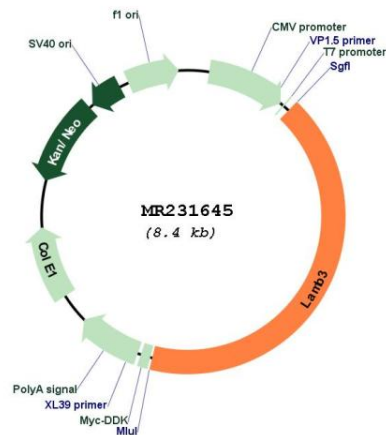


ACCN: NM_001277928

ORF Size: 3504 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<u>NM_001277928.1, NP_001264857.1</u>
RefSeq Size:	4016 bp
RefSeq ORF:	3507 bp
Locus ID:	16780
UniProt ID:	<u>Q61087</u>
Cytogenetics:	1 97.71 cM
MW:	128.9 kDa
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]

Product images:


Circular map for MR231645