

Product datasheet for MR201478

Lim2 (NM_177693) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lim2 (NM_177693) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lim2
Synonyms: 19kDa; 4833403J20; MP19; To3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201478 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGTACAGCTTCATGGGTGGCGCCTCTTCTGTGCCTGGGTGGGACCATCCTGTTGGTGGTAGCCACAG
 CAACTGACCACTGGATGCAGTACCGGCTGTGGGGTCTTCGCACACCAGGGCCTGTGGCGTTACTGCCT
 GGGCAACAAGTGTCTTCTGCAGACCGAGAGCATCGCATATTGGAATGCCACCCGGGCTTTCATGATCCTG
 TCTGCCCTGTGTCCACCTCGGCATCATCATGGGTGTCTTAGCCTTTGCGCAGCAATCCACCTTACCC
 GTCTCTCCAGGCCCTTCTGCGGCATCATGTTTTTGCCTCCACCCTTTTGTCTGTGTCTTGGC
 TATTTACTGGAGTACCGTCAGTTTCTCGGCCCGCTTTGGAGACTGGCGCTTTTCATGGTCTTAC
 ATCCTGGGCTGGGTGGCCCTGCTCATGACCTTCTTTCAGGAATTTTCTACATGTGTGCCTACCGGATGC
 ATGAGTGCCGGCGCCTAGCCACCCACGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201478 protein sequence
 Red=Cloning site Green=Tags(s)

MYSFMGGGLFCAWVGTILLVVATATDHWYRLSGSFAHQGLWRYCLGNKCFLQTESIAYWNATRAFMIIL
 SALCATSGIIMGVLAFAQQSTFTRLRPFSAIMFFASTLFLVLLSLAIYTGVTVSFLGRRFGDWRFSWSY
 ILGWVALLMTFFAGIFYMCAIRMHECRRLATPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_177693

ORF Size: 522 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:

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_177693.1](#), [NM_177693.2](#), [NM_177693.3](#), [NP_808361.1](#)

RefSeq Size: 866 bp

RefSeq ORF: 522 bp

Locus ID: 233187

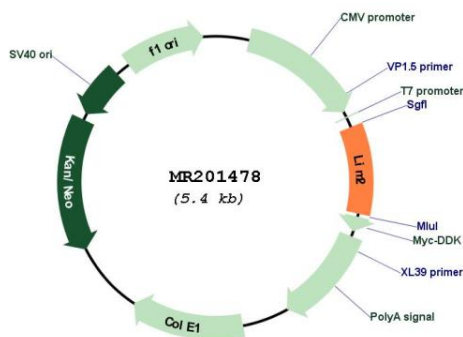
UniProt ID: [P56563](#)

Cytogenetics: 7 28.25 cM

MW: 19.6 kDa

Gene Summary: Present in the thicker 16-17 nm junctions of mammalian lens fiber cells, where it may contribute to cell junctional organization. Acts as a receptor for calmodulin. May play an important role in both lens development and cataractogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201478