

Product datasheet for **RR208451**

Lim2 (NM_053771) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lim2 (NM_053771) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lim2
Synonyms: Mp19; MP20
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208451 representing NM_053771
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTACAGCTTCATGGGTGGCGGCCTCTTCTGTGCCTGGGTGGGACCATCCTGTTGGTGGTAGCCACAG
 CGACGGACCATTGGATGCAATACCGCTGTCCAGGGTCTTTGCACACCAGGGCCTGTGGCGTTACTGCCT
 GGGCAACAAGTGCTTCTGCAGACAGAGAGCATCGCATACTGGAATGCCACGCGGGCTTTCATGATCCTG
 TCTGCCCTGTGTGCCACCTCGGGCATCATATGGGTGTCCTGGCCTTTCGCGAGCAATCCACCTTACCC
 GCCTCTCCAGGCCCTTCTGCTGGCATCATGTTTTTGCCTCCACCCTTTTCGTCTGTTGGCCTTGGC
 CATTACACCGGAGTCACCGTTAGTTTCTCGGCCCGCTTTGGGACTGGCGCTTTCATGGTCTTAC
 ATCCTGGGCTGGGTGGCCCTGCTCATGACCTTCTTGCAGGAATTTCTACATGTGTGCCTACCGGATGC
 ATGAGTGCCGGCGCCTATCCACCCACGC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208451 representing NM_053771
 Red=Cloning site Green=Tags(s)

MYSFMGGGLFCAWVGTILLVVATATDHWMQYRLSGSFAHQGLWRYCLGNKCFLQTESIAYWNATRAFMIL
 SALCATSGIIMGVLAFAQQSTFTRLRPF SAGIMFFASTLFVLLALAIYTGVTVSFLGRRFGDWRFSWSY
 ILGWVALLMTFFAGIFYMCAIRMHECRRLSTPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

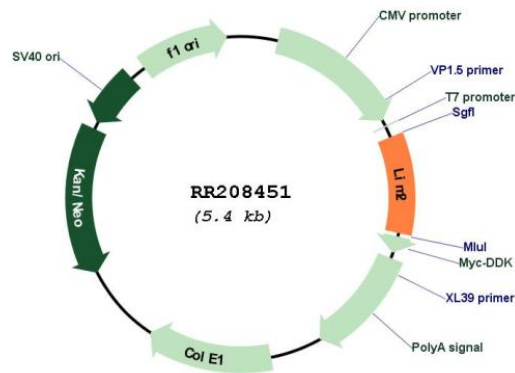


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Cloning Scheme:



Plasmid Map:



ACCN: NM_053771

ORF Size: 519 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_053771.1</u> , <u>NP_446223.1</u>
RefSeq Size:	841 bp
RefSeq ORF:	522 bp
Locus ID:	114903
UniProt ID:	<u>P54825</u>
Cytogenetics:	1q22
MW:	19.6 kDa
Gene Summary:	lens fiber-cell intrinsic membrane protein; ligand of galectin-3 [RGD, Feb 2006]