

Product datasheet for **MR225384**

Limk1 (NM_010717) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Limk1 (NM_010717) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Limk1 |
| Synonyms: | KIZ-1; Limk; LIMK-1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR225384 representing NM_010717
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >MR225384 representing NM_010717
Red=Cloning site Green=Tags(s)

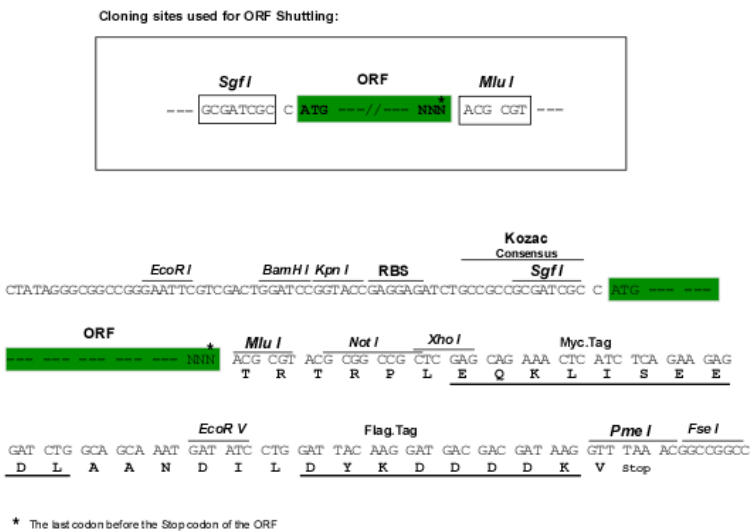
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ETYRRGESSLPAHPEVPD
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9009_h02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010717

ORF Size: 1944 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_010717.1](#), [NM_010717.2](#), [NM_010717.3](#), [NP_034847.1](#)

RefSeq Size: 3323 bp

RefSeq ORF: 1944 bp

Locus ID: 16885

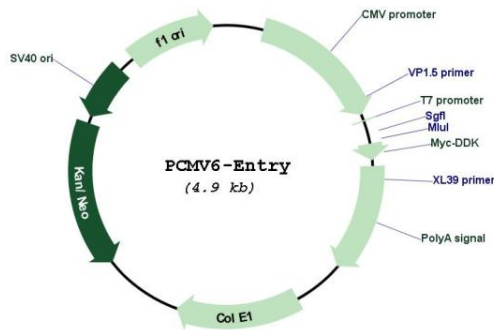
UniProt ID: [P53668](#)

Cytogenetics: 5 G2

MW: 73.2 kDa

Gene Summary: This gene encodes a member of the LIM kinase family of proteins. This protein is a serine/threonine kinase that regulates actin polymerization via phosphorylation and inactivation of the actin binding factor cofilin. This protein also stimulates axon growth and may play a role in brain development. Homozygous knockout mice for this gene exhibit reduced bone mass, abnormal neuronal morphology and altered synaptic function. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

Product images:



Circular map for MR225384