

Product datasheet for MR227467

Lims1 (NM_201242) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Lims1 (NM_201242) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Lims1 |
| Synonyms: | 2310016J22Rik; 4921524A02Rik; AI507642; AU021743; AW551584; C430041B13Rik; Lims1I; PINCH; PINCH1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR227467 representing NM_201242 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCACACTACAGCTTAAGGAGCTTTACAGTCGGGCCTCTACCGGAGAAGGCGAGAGCGTCCTGAGA
GTCTGAGAGTCAATGGGCACGCAGAGGAAGAGCTGAGCAACATGGCCAATGCCTTGGCCAGTGCCACGTG
TGAGCGCTGCAAGGGAGGCTTTGCGCCTGCTGAGAAGATCGTGAACAGTAATGGTGAGCTGTACCACGAA
CAGTGCTTCGTATGTGCTCAGTGCTTCCAGCAGTCCAGAAAGGACTCTTTATGAGTTGAAGGAAGGA
AGTACTGTGAGCATGATTTCAAATGCTCTTTGCTCCCTGCTGCCACCAATGTGGTGAATTCATCATTGG
CAGGGTTATCAAAGCCATGAACAACAGCTGGCATCCTGAGTGCTCCGATGTGACCTCTGCCAGGAAGTG
CTGGCAGACATAGGGTTTGTCAAGAATGCTGGCAGACACCTATGTCGCCATGTCATAATCGTGAAAAAG
CCAGAGGCCTTGAAAAATACATCTGCCAGAAATGCCATGCCATATTGATGAACAGCCTCTGATCTTCAA
GAACGACCCTTACCATCCAGACCACTTCAACTGTGCCAATGCGGGAAGGAGCTAACTGCTGATGCTCGG
GAGCTGAAAGGGGAGCTATACTGTCTGCCATGCCATGATAAGATGGGGTCCCTATCTGTGGCGCCTGCA
GGAGGCCATTGAAGGGCGAGTAGTGAATGCCATGGGCAAGCAATGGCATGTGGAGCATTGTTGTTGTGC
CAAATGTGAAAAACCATTTCTTGGGCATCGCCATTATGAGAGGAAGGGCTTGGCCTACTGTGAACTCAC
TATAATCAGCTGTTTGGTGATGTTTGTTCATTGCAACCGTGTGATAGAAGGTGATGTGGTCTCTGCTC
TCAACAAGGCCTGGTGTGTGAGCTGCTTGGCTGCTCCACCTGCAATACCAAACCTCACACTCAAGAATAA
ATTTGTGGAATTTGACATGAAGCCAGTCTGTAAGAAGTGTACGAGAAATTTCTTTGGAGCTGAAGAAA
AGACTTAAGAACTATCTGAGACCTTAGGAAGGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR227467 representing NM_201242
 Red=Cloning site Green=Tags(s)

MTTLQLKELSQSGLYRRRRERPESLRVNGHAEELSNMANALASATCERCKGGFAPAEKIVNSNGELYHE
 QCFVCAQCQFQFPEGLFYEFEGRKYCEHDFQMLFAPCCHQCGEF IIGRVIKAMNNSWHPECFRCDLCQEV
 LADIGFVKNAGRHLCRPCHNREKARGLGKYICQKCHAIIDEQPLIFKNDPYHPDHFNCANGKELTADAR
 ELKGLYCLPCHDKMGVPICGACRRPIEGRVVNAMGKQWHVEHFVCAKCEKPFLLGHRHYERKGLAYCETH
 YNQLFGDVCFHCNRVIEGDVVSALNKAWCVSCFACSTCNTKLT LKNKFVEFDMKPVCKKCYEKFPLELKK
 RLKKLSETLGRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_201242

ORF Size: 1086 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_201242.1](#), [NP_957694.1](#)

RefSeq Size: 4351 bp

RefSeq ORF: 1089 bp

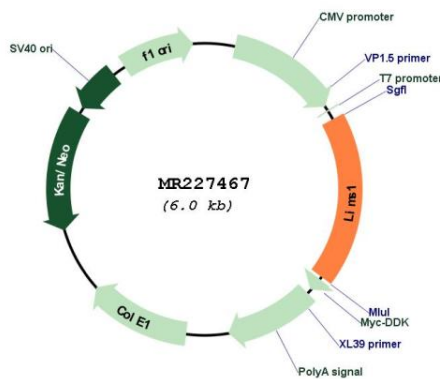
Locus ID: 110829

Cytogenetics: 10 29.31 cM

MW: 42.1 kDa

Gene Summary: Adapter protein in a cytoplasmic complex linking beta-integrins to the actin cytoskeleton, bridges the complex to cell surface receptor tyrosine kinases and growth factor receptors. Involved in the regulation of cell survival, cell proliferation and cell differentiation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227467