

Product datasheet for MR205021

Lims1 (NM_026148) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lims1 (NM_026148) 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:	>MR205021 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGGCGTGGCGGCCGGAATGACCAACAGCAACATGGCCAATGCCTTGGCCAGTGCCACGTGTGAGC
GCTGCAAGGGAGGCTTTGCGCCTGCTGAGAAGATCGTGAACAGTAATGGTGAGCTGTACCACGAACAGTG
CTTCGTATGTGCTCAGTGCTTCCAGCAGTCCAGAAAGGACTCTTTATGAGTTGAAGGAAGGAAGTAC
TGTGAGCATGATTTCAAATGCTCTTGTCCCTGCTGCCACCAATGTGGTGAATTCATCATTGGCAGGG
TTATCAAAGCCATGAACAACAGCTGGCATCCTGAGTGCTCCGATGTGACCTCTGCCAGGAAGTGTGGC
AGACATAGGGTTTGTCAAGAATGCTGGCAGACACCTATGTCGCCATGTCATAATCGTGAAAAAGCCAGA
GGCCTTGGAAAAATACATCTGCCAGAAATGCCATGCCATCATTGATGAACAGCCTCTGATCTCAAGAACG
ACCTTACCATCCAGACCACTTCAACTGTGCCAACTGCGGGAAGGAGCTAACTGCTGATGCTCGGGAGCT
GAAAGGGGAGCTATACTGTCTGCCATGCCATGATAAGATGGGGTCCCTATCTGTGGCGCCTGCAGGAGG
CCCATTGAAGGGCGAGTAGTGAATGCCATGGGCAAGCAATGGCATGTGGAGCATTGTTGTTGTGCCAAAT
GTGAAAAACCATTTCTTGGGCATCGCCATTATGAGAGGAAGGGCTTGGCCTACTGTGAACTCACTATAA
TCAGCTGTTTGGTGATGTTGTTCCATTGCAACCGTGTATAGAAGGTGATGTGGTCTCTGCTCTCAAC
AAGGCTGGTGTGTGAGCTGCTTTCCTGCTCCACCTGCAATACCAAACCTCACTCAAGAATAAATTTG
TGAATTTGACATGAAGCCAGTCTGTAGAAGTGCTACGAGAAATTTCTTTGGAGCTGAAGAAAAGACT
TAAGAACTATCTGAGACCTTAGGAAGGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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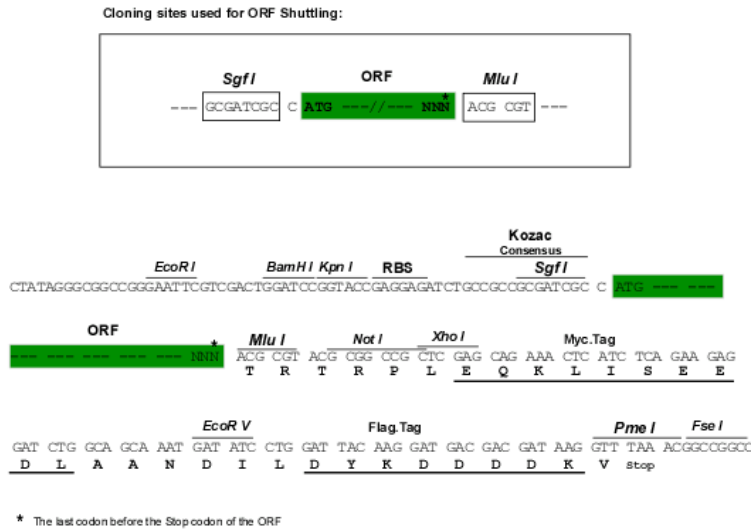
Protein Sequence: >MR205021 protein sequence
 Red=Cloning site Green=Tags(s)

MLGVAAGMTNSNMANALASATCERCKGGFAPAEEKIVNSNGELYHEQCFVCAQCFQQFPEGLFYEFEGRKY
 CEHDFQMLFAPCCHQCGEFIIIGRVIKAMNNSWHPECFRCDLCQEVLADIGFVKNAGRHLCRPCHNREKAR
 GLGKYICQKCHAIIDEQPLIFKNDPYHPDHFNCANCGKELTADARELKGELYCLPCHDKMGVPICGACRR
 PIEGRVNVAMGKQWHVEHFVCAKCEKPFLLGHRHYERKGLAYCETHYNQLFGDVCFHCRNRIEGDVSALN
 KAWCVSFCACSTCNTKLTLNKFEVDFMKPVCKKCYEKFPLELKKRLKKLSETLGRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026148

ORF Size: 1014 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_026148.4](#)

RefSeq Size: 4327 bp

RefSeq ORF: 1014 bp

Locus ID: 110829

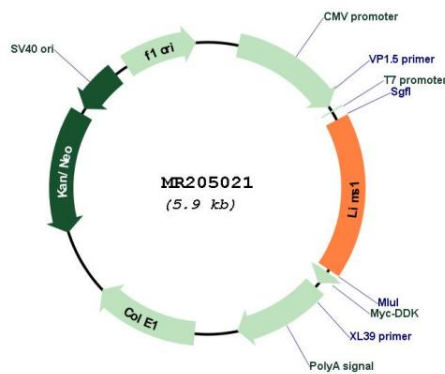
UniProt ID: [Q99JW4](#)

Cytogenetics: 10 29.31 cM

MW: 38.4 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 MR205021