

Product datasheet for **MR205105**

Lims2 (NM_144862) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Lims2
Synonyms:	PINCH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR205105 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGGGAAGCAACATGTCTGAGTGTGGCCGATGCCATGTGCCAGCGCTGCCAGGCCCGTTGGCC
CCACAGAGCGCATCGTCAACAGCAACGGGAACTCTACCATGAGCACTGCTTTGTGTGCACAGTGCTT
CCGGCCATTTCCCGAGGGACTCTTCTACGAGTTTGAGGGCCGGAAGTACTGTGAACATGACTTCCAAATG
CTATTTGCTCCATGCTGCGGATTCTGTGGTGAATTTGTCATTGGCCGCGTGATCAAGGCCATGAACGCCA
ACTGGCATCCTGGCTGCTTCCGCTGTGAATTGTGTGATGTGGAGCTGGCTGACCTGGGCTTTGTGAAGAA
CGCAGGCAGGCACCTCTGCCGGCCTTGCCACAACCGTGAGAAGGCCAAGGGCTTGGGCAAATTCATCTGC
CAGCGGTGCCACCTCGCCATCGACGAACAGCCCTCATGTTCAAGAATGATCCCTACCAACCCGACCACT
TCAGCTGCTCCAATGTGGGAAGGAGCTGACCTCCGATGCCGAGAGCTGAAGGGTGAAGCTCTACTGCCT
GCCTTGTACAGACAAGATGGGCATCCCATCTGTGGGGCTTGCCGCGGCCCATTTAGGGGCCGCTGGTC
AATGCGCTGGGCAAACAGTGGCATGTGGAGCACTTTGTCTGCGCCAAGTGTGAGAAGCCATTCCTGGGGC
ACCGGCACTATGAGAAGAAGGGCTAGCATACTGTGAGACCACTACAACAGCTCTTTGGGGATGTCTG
CTAACTGCAGTCATGTGATCGAGGGTGACGTGGTGTGAGCCCTCAGCAAAGCCTGGTGTGTAAGTGC
TTTTCTGTTCACCTGCAACATGAAGCTCACTCTAAGAACAAGTTTGTGGAGTTCGATATGAAGCCCG
TGTGTAAGAGGTGCTATGAAAGGTTCCCTCGAGCTGAAGAAGAGGTTGAAGAAGCTGTCCGACCTGAG
CTCCCGCAAGGCCAGCCCAAGTCTGTGGACGTCAACTCACTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATACGACGATAAGGTTTAA



Protein Sequence:

>MR205105 protein sequence
Red=Cloning site Green=Tags(s)

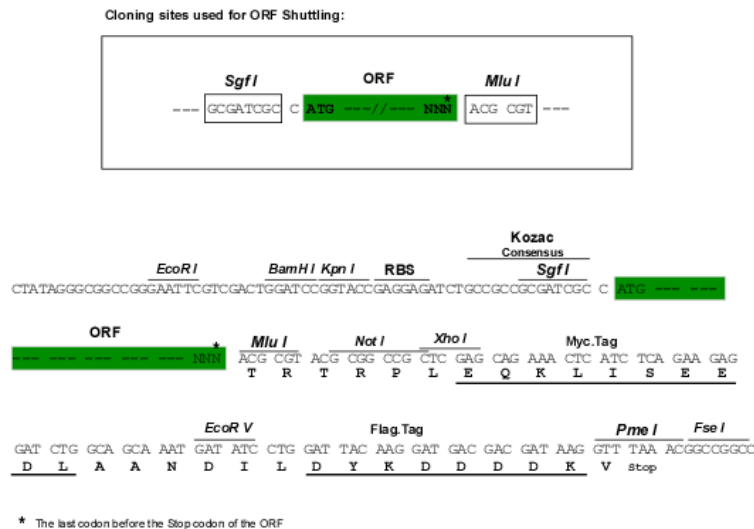
MTGSNMSECLADAMCQRCQARFAPTERIVNSNGELYEHCFVCAQCFRPFPEGLFYEFEGRKCYCEHDFQM
LFAPCCGFCGEFVIGRVIKAMNANWHPGCFRCELCDVELADLGFVKNAGRHLCRPCHNREKAKGLGKFIC
QRCHLAIDEQPLMFKNPDYHPDHFSCSNCCKELTSDARELKGELYCLPCHDKMGIPICGACRRPIEGRVV
NALGKQWHVEHFVCAKCEKPFLLGHRHYEKKGLAYCETHYNQLFGDVCYNCSHVEGDVVSALSKAWCVNC
FSCSTCNMMLTLKNKFVEFDMKPVCKRCYERFPLELKKRLKKLSDLSSRKAQPKSVDVNSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_144862

ORF Size:

1023 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_144862.2](#)

RefSeq Size: 1688 bp

RefSeq ORF: 1026 bp

Locus ID: 225341

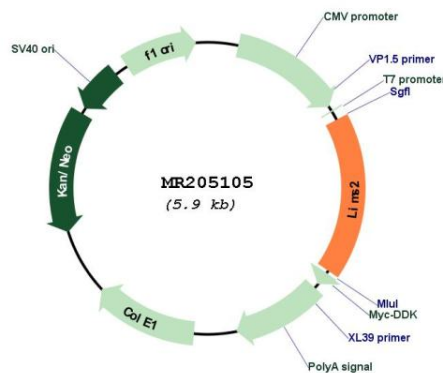
UniProt ID: [Q9IXD2](#)

Cytogenetics: 18 B1

MW: 39 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. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205105