

Product datasheet for **MG205021**

Lims1 (NM_026148) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lims1 (NM_026148) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lims1
Synonyms:	2310016J22Rik; 4921524A02Rik; AI507642; AU021743; AW551584; C430041B13Rik; Lims1I; PINCH; PINCH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205021 representing NM_026148 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGCGTGGCGGCCGAATGACCAACAGCAACATGGCCAATGCCTTGGCCAGTGCCACGTGTGAGC
GCTGCAAGGGAGGCTTTGCGCCTGCTGAGAAGATCGTGAACAGTAATGGTGAAGTGTACCACGAACAGTG
CTTCGTATGTGCTCAGTGCTTCCAGCAGTCCAGAAAGGACTCTTTATGAGTTGAAGGAAGGAAGTAC
TGTGAGCATGATTTCAAATGCTCTTGTCCCTGCTGCCACCAATGTGGTGAATTCATCATTGGCAGGG
TTATCAAAGCCATGAACAACAGTGGCATCCTGAGTGCTCCGATGTGACCTCTGCCAGGAAGTGTGGC
AGACATAGGGTTGTCAAGAATGCTGGCAGACACCTATGTCGCCATGTCATAATCGTAAAAAGCCAGA
GGCCTTGGAAAAATACATCTGCCAGAAATGCCATGCCATCATTGATGAACAGCCTCTGATCTCAAGAACG
ACCTTACCATCCAGACCACTTCAACTGTGCCAACTGCGGGAAGGAGCTAACTGCTGATGCTCGGGAGCT
GAAAGGGGAGCTATACTGTCTGCCATGCCATGATAAGATGGGGTCCCTATCTGTGGCGCCTGCAGGAGG
CCCATTGAAGGGCGAGTAGTGAATGCCATGGGCAAGCAATGCCATGTGGAGCATTTTGTGGCCAAAT
GTGAAAAACCATTTCTTGGGCATCGCCATTATGAGAGGAAGGGCTTGGCCTACTGTGAACTCACTATAA
TCAGCTGTTTGGTGATGTTTGTTCATTGCAACCGTGTACATAGAAGGTGATGTGGTCTCTGCTCTCAAC
AAGGCTGGTGTGTGAGCTGCTTTCCTGCTCCACCTGCAATACCAAACCTCACACTCAAGAATAAATTTG
TGAATTTGACATGAAGCCAGTCTGAAGAAGTGCTACGAGAAATTTCTTTGGAGCTGAAGAAAAGACT
TAAGAACTATCTGAGACCTTAGGAAGGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205021 representing NM_026148
 Red=Cloning site Green=Tags(s)

MLGVAAGMTNSNMANALASATCERCKGGFAPAEEKIVNSNGELYHEQCFVCAQCFQFPEGLFYEFEGRKY
 CEHDFQMLFAPCCHQCGEFIIGRVIKAMNNSWHPECFRCDLCQEVLADIGFVKNAGRHLCRPCHNREKAR
 GLGKYICQKCHAIIDEQPLIFKNDPYHPDHFNCANCGKELTADARELKGELYCLPCHDKMGVPICGACRR
 PIEGRVNVAMGKQWHVEHFVCAKCEKPFLLGHRHYERKGLAYCETHYNQLFGDVCFHCVNRIEGDVSALN
 KAWCVSFCACSTCNTKLLKNKFVEFDMKPVCKKCYEKFPLELKKRLKLLSETLGRK

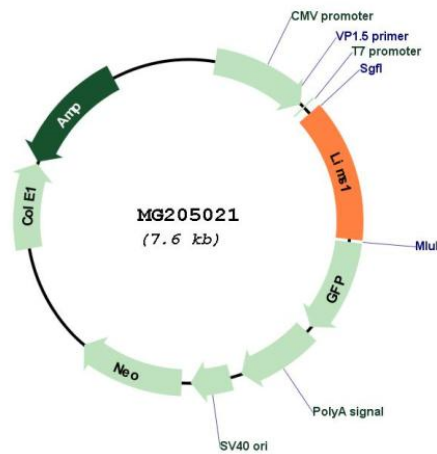
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026148

ORF Size:	1011 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:	NM_026148.4
RefSeq Size:	4244 bp
RefSeq ORF:	1014 bp
Locus ID:	110829
UniProt ID:	Q99JW4
Cytogenetics:	10 29.31 cM
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]