

Product datasheet for **RC233395**

LIMS2 (NM_001256542) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LIMS2 (NM_001256542) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LIMS2
Synonyms: LGMD2W; MDRCMTT; PINCH-2; PINCH2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233395 representing NM_001256542
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTCAAGGAGCGACGCCTACCACCTGACCACTTCAACTGCACCCACTGTGGGAAGGAGCTGACAGCCG
 AGGCCCGCGAGCTGAAGGGTGAGCTCTACTGCCTGCCCTGCCATGACAAGATGGCGTCCCCATCTGCGG
 GGCTGCCCGCGCCCATCGAGGCGGAGTGGTCAACGCGCTGGCAAGCAGTGGCACGTGGAGCACTTT
 GTCTGTGCAAGTGTGAGAAGCCATTCTGGGGCACCGGCACTATGAGAAGAAGGGCCTGGCCTACTGCG
 AGACTCACTACAACAGCTCTTCGGGACGTCTGCTACAACGAGCCATGTGATTGAAGGCGATGTGGT
 GTCGGCCCTCAACAAGGCTGGTGTGTGAGCTGCTTCTCTGCTCCACCTGCAACAGCAAGCTCACCTG
 AAGAACAAGTTTGTGGAGTTCGACATGAAGCCCGTGTGTAAGAGGTGCTACGAGAAGTCCCGCTGGAGC
 TGAAGAAGCGGCTGAAGAAGCTGTCGGAGCTGACCTCCCGCAAGGCCAGCCCAAGGCCACAGACCTCAA
 CTCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233395 representing NM_001256542
 Red=Cloning site Green=Tags(s)

MFRSDAYHPDFNCTHCGKELTAEARELKGELYCLPCHDKMGVPICGACRRPIEGRVVNALGKQWHVEHF
 VCAKCEKPFLGHRHYEKKGLAYCETHYNQLFGDVCYNCSHVIEGDVVSALNKAWCVSCFSCSTCNSKLT
 LKNKFVEFDMKPVCKRCYEKFPLELKKRLKKLSELTSRKAQPKATDLNSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001256542

ORF Size: 567 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_001256542.1](#), [NP_001243471.1](#)

RefSeq Size: 1759 bp

RefSeq ORF: 570 bp

Locus ID: 55679

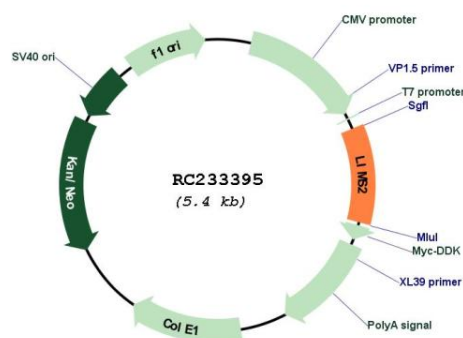
UniProt ID: [Q7Z4I7](#)

Cytogenetics: 2q14.3

MW: 22.1 kDa

Gene Summary: This gene encodes a member of a small family of focal adhesion proteins which interacts with ILK (integrin-linked kinase), a protein which effects protein-protein interactions with the extraceullar matrix. The encoded protein has five LIM domains, each domain forming two zinc fingers, which permit interactions which regulate cell shape and migration. A pseudogene of this gene is located on chromosome 4. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]

Product images:



Circular map for RC233395