

## Product datasheet for RC231171

### LIMS1 (NM\_001193483) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LIMS1 (NM_001193483) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LIMS1
Synonyms:	PINCH; PINCH-1; PINCH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC231171 representing NM_001193483 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGGCGTGGCGGCCGGGATGACCCACAGCAACATGGCCAACGCCCTGGCCAGCGCCACTTGCAGAGC  
GCTGCAAGGGCGGCTTTGCGCCCGCTGAGAAGATCGTGAACAGTAATGGGGAGCTGTACCATGAGCAGTG  
TTTCGTGTGCGCTCAGTGCTTCCAGCAGTCCAGAAAGGACTCTTCTATGAGTTGAAGGAAGAAAGTAC  
TGTGAACATGACTTTCAGATGCTCTTTGCCCTTGCTGTCATCAGTGTGGTGAATTCATCATTGGCCGAG  
TTATCAAAGCCATGAATAACAGCTGGCATCCGGAGTGCTCCGCTGTGACCTCTGCCAGGAAGTTCTGGC  
AGATATCGGGTTTGTCAAGAATGCTGGGAGACACCTGTGTCGCCCTGTCATAATCGTGAGAAAGCCAGA  
GGCCTTGGGAAATACATCTGCCAGAAATGCCATGCTATCATCGATGAGCAGCCTCTGATATTCAAGAACG  
ACCCCTACCATCCAGACCATTTCAACTGCGCCAACCTGCGGGAAGGAGCTGACTGCCGATGCACGGGAGCT  
GAAAGGGGAGCTATACTGCCTCCCATGCCATGATAAAATGGGGTCCCATCTGTGGTGTCTGCCGACGG  
CCCATCGAAGGGCGCGTGGTGAACGCTATGGGCAAGCAGTGCCATGTGGAGCATTTTGTGGTGGCAAGT  
GTGAGAAACCTTTCTTGGACATCGCCATTATGAGAGGAAAGGCTGGCATATTGTGAAACTCACTATAA  
CCAGCTATTTGGTGATGTTTGCCTTCCACTGCAATCGTGTATAGAAGGTGATGTGGTCTCTGCTCTTAAT  
AAGGCCTGGTGCCTGAACTGCTTTGCCTGTTCTACCTGCAACTAAATTAACACTCAAGAATAAGTTTG  
TGGAGTTTGACATGAAGCCAGTCTGTAAGAAGTCTATGAGAAATTTCCATTGGAGCTGAAGAAAAGACT  
TAAGAACTAGCTGAGACCTTAGGAAGGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_001193483.3](#)

**RefSeq ORF:** 1014 bp

**Locus ID:** 3987

**UniProt ID:** [P48059](#)

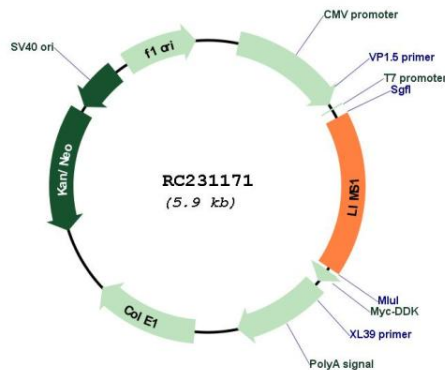
**Cytogenetics:** 2q12.3

**Protein Families:** Druggable Genome

**MW:** 38.9 kDa

**Gene Summary:** The protein encoded by this gene is an adaptor protein which contains five LIM domains, or double zinc fingers. The protein is likely involved in integrin signaling through its LIM domain-mediated interaction with integrin-linked kinase, found in focal adhesion plaques. It is also thought to act as a bridge linking integrin-linked kinase to NCK adaptor protein 2, which is involved in growth factor receptor kinase signaling pathways. Its localization to the periphery of spreading cells also suggests that this protein may play a role in integrin-mediated cell adhesion or spreading. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]

**Product images:**



Circular map for RC231171