

Product datasheet for **SC329435**

LIMS1 (NM_001193488) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIMS1 (NM_001193488) Human Untagged Clone
Tag:	Tag Free
Symbol:	LIMS1
Synonyms:	PINCH; PINCH-1; PINCH1
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329435 representing NM_001193488. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCCAACGCCCTGGCCAGCGCCACTTGCGAGCGCTGCAAGGGCGGCTTTGCGCCCGCTGAGAAGATC
GTGAACAGTAATGGGAGCTGTACCATGAGCAGTGTTTCGTGTGCGCTCAGTGCTTCCAGCAGTTCCCA
GAAGGACTCTTCTATGAGTTTGAAGGAAGAAAGTACTGTGAACATGACTTTCAGATGCTCTTTGCCCT
TGCTGTCATCAGTGTGGTGAATTCATCATTGGCCGAGTTATCAAAGCCATGAATAACAGCTGGCATCCG
GAGTGCTTCCGCTGTGACCTCTGCCAGGAAGTTCTGGCAGATATCGGTTTGTCAAGAATGCTGGGAGA
CACCTGTGTGCGCCCTGTCATAATCGTGAGAAAGCCAGAGGCCTTGGGAAATACATCTGCCAGAAATGC
CATGCTATCATCGATGAGCAGCCTCTGATATTCAAGAACGACCCCTACCATCCAGACCATTTCAACTGC
GCCAATGCGGGAAGGAGCTGACTGCCGATGCACGGGAGCTGAAAGGGGAGCTATACTGCCTCCCATGC
CATGATAAAATGGGGTCCCCATCTGTGGTGCTTGCCGACGGCCCATCGAAGGGCGCGTGGTGAACGCT
ATGGGCAAGCAGTGGCATGTGGAGCATTTTGTGGTGGCAAGTGTGAGAAACCCCTTTCTTGACATCGC
CATTATGAGAGGAAAGGCTGGCATATTGTGAACTCACTATAACCAGCTATTGGTGATGTTTGCTTC
CACTGCAATCGTGTATAGAAGGTGATGTTGCTCTGCTCTTAATAAGGCTGGTGCCTGAAGTCTTT
GCCTGTTCTACCTGCAACACTAAATTAACACTCAAGAATAAGTTTGTGGAGTTTGACATGAAGCCAGTC
TGTAAGAAGTGCTATGAGAAATTTCCATTGGAGCTGAAGAAAAGACTTAAGAACTAGCTGAGACCTTA
GGAAGGAAATAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001193488
Insert Size:	978 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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_001193488.1](#)

RefSeq Size: 4407 bp

RefSeq ORF: 978 bp

Locus ID: 3987

UniProt ID: [P48059](#)

Cytogenetics: 2q12.3

Protein Families: Druggable Genome

MW: 37.3 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]

Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus compared to isoform a. Variants 2 and 3 both encode the same isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.