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Product datasheet for SC319714

LIMS1 (NM_004987) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIMS1 (NM_004987) Human Untagged Clone
Tag:	Tag Free
Symbol:	LIMS1
Synonyms:	PINCH; PINCH-1; PINCH1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

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>OriGene sequence for NM_004987.3
ACTCTTGAATTAAGAGAAGGGGAGCTGGAGGTGGCTCAGGTAGAGTGCGTAGGTTTGCAG
AACTGGGCCTGTGTGTGTAAAGTGACTAAGGCAAAGGAGTGGAAGTTTGAGAGAAGTTTA
AGAGAAGAAATGGACATGATTGCCTAAATCAGCCAAACACAGGCAACATGGCCAACGCCC
TGGCCAGCGCCACTTGCGAGCGCTGCAAGGGCGGCTTTGCGCCCGCTGAGAAGATCGTGA
ACAGTAATGGGGAGCTGTACCATGAGCAGTGTTTCGTGTGCGCTCAGTGCTTCCAGCAGT
TCCCAGAAGGACTCTTCTATGAGTTTGAAGGAAGAAAGTACTGTGAACATGACTTTCAGA
TGCTCTTTGCCCCTTGCTGTCATCAGTGTGGTGAATTCACCATTGGCCGAGTTATCAAAG
CCATGAATAACAGCTGGCATCCGGAGTGCTTCCGCTGTGACCTCTGCCAGGAAGTTCTGG
CAGATATCGGGTTTGTCAAGAATGCTGGGAGACACCTGTGTCGCCCCTGTCATAATCGTG
AGAAAGCCAGAGGCCTTGGGAAATACATCTGCCAGAAATGCCATGCTATCATCGATGAGC
AGCCTCTGATATTCAAGAACGACCCCTACCATCCAGACCATTTCAACTGCGCCAACTGCG
GGAAGGAGCTGACTGCCGATGCACGGGAGCTGAAAGGGGAGCTATACTGCCTCCCATGCC
ATGATAAAATGGGGGTCCCCATCTGTGGTGCTTGCCGACGGCCCATCGAAGGGCGCGTGG
TGAACGCTATGGGCAAGCAGTGGCATGTGGAGCATTTTGTTTGTGCCAAGTGTGAGAAAC
CCTTTCTTGGACATCGCCATTATGAGAGGAAAGGCCTGGCATATTGTGAAACTCACTATA
ACCAGCTATTTGGTGATGTTTGCTTCCACTGCAATCGTGTTATAGAAGGTGGTGTGGTCT
CTGCTCTTAATAAGGCCTGGTGCGTGAACTGCTTTGCCTGTTCTACCTGCAACACTAAAT
TAACACTCAAGAATAAGTTTGTGGAGTTTGACATGAAGCCAGTCTGTAAGAAGTGCTATG
AGAAATTTCCATTGGAGCTGAAGAAAAGACTTAAGAAACTAGCTGAGACCTTAGGAAGGA
AATAAGTTCCTTTATTTTTTCTTTTCTATGCAAGATAAGAGATTACCAACATTACTTGTC
TTGATCTACCCATATTTAAAGCTATATCTCAAAGCAGTTGAGAGAAGAGGACCTATATGA
ATGGTTTTATGTCATTTTTTTAATTAAAAAAGAAAAATTCATATAATCGTGTTTAAAACA
CAAATGAAGTCAGTATTTGCCTTTGTTAACCCTTATCCATTTGTTGACATGTAGACTGTT
TACAAAAAAAAAACACATGGTTAAATGTTAAATTTTAATTAAGGCCCCCAAAAATTAAAT
ATAACTTTTTAAAATGAAAGGAGTCACCTTTTACATGACTCAGGTGAAAAAACAGTATAA
ACATTAATTTACTTTGTGTTCAAAAGAAAATTCCAACTGCTGTTGGGGAAGGACACAGAA
AAGAAAAATAACCACCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_004987

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.
RefSeq:	NM_004987.3, NP_004978.2
RefSeq Size:	1559 bp
RefSeq ORF:	978 bp
Locus ID:	3987
UniProt ID:	P48059
Cytogenetics:	2q12.3
Domains:	LIM
Protein Families:	Druggable Genome
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 (2) 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.