

Product datasheet for **SC304069**

LIMD1 (NM_014240) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIMD1 (NM_014240) Human Untagged Clone
Tag:	Tag Free
Symbol:	LIMD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC304069 representing NM_014240.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGATAAGTATGACGACCTGGGCTGGAGGCCAGTAAATTCATCGAGGACCTGAACATGTATGAGGCC
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ACCGTGGACTCAGAGAACAGATCTACTGTGTCCGAGATTACCACAAGGTGCTGGCCCCAAGTGTGCA
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GACTACCACGTGGAGTGTACCACTGCGAGGACTGTGGTCTGGAGCTCAATGATGAAGATGGCCACCGC
TGTTATCCGCTGGAGGACCACCTGTTCTGTCACTCCTGCCACGTGAAGAGGCTGGAGAAGAGACCTCA
TCTACAGCCCTTACCAGCACCCTTAG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_014240

Insert Size: 2031 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).

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:	<u>NM_014240.2</u>
RefSeq Size:	6284 bp
RefSeq ORF:	2031 bp
Locus ID:	8994
UniProt ID:	<u>Q9UGP4</u>
Cytogenetics:	3p21.31
MW:	72.2 kDa
Gene Summary:	Adapter or scaffold protein which participates in the assembly of numerous protein complexes and is involved in several cellular processes such as cell fate determination, cytoskeletal organization, repression of gene transcription, cell-cell adhesion, cell differentiation, proliferation and migration. Positively regulates microRNA (miRNA)-mediated gene silencing and is essential for P-body formation and integrity. Acts as a hypoxic regulator by bridging an association between the prolyl hydroxylases and VHL enabling efficient degradation of HIF1A. Acts as a transcriptional corepressor for SNAI1- and SNAI2/SLUG-dependent repression of E-cadherin transcription. Negatively regulates the Hippo signaling pathway and antagonizes phosphorylation of YAP1. Inhibits E2F-mediated transcription, and suppresses the expression of the majority of genes with E2F1-responsive elements. Regulates osteoblast development, function, differentiation and stress osteoclastogenesis. Enhances the ability of TRAF6 to activate adapter protein complex 1 (AP-1) and negatively regulates the canonical Wnt receptor signaling pathway in osteoblasts. May act as a tumor suppressor by inhibiting cell proliferation.[UniProtKB/Swiss-Prot Function]