

Product datasheet for RC222723L4

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OriGene Technologies, Inc.

LIMD1 (NM_014240) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: LIMD1 (NM_014240) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: LIMD1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF inser-

Sequence:

The ORF insert of this clone is exactly the same as(RC222723).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





ACCN: NM_014240

ORF Size: 2028 bp

LIMD1 (NM_014240) Human Tagged Lenti ORF Clone - RC222723L4

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.

RefSeq: <u>NM 014240.1, NP 055055.1</u>

RefSeq Size:5067 bpRefSeq ORF:2031 bpLocus ID:8994

UniProt ID: Q9UGP4

Cytogenetics: 3p21.31

MW: 72 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

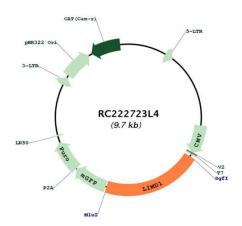
differentiation, proliferation and migration. Positively regulates microRNA (miRNA)-mediated gene silencing and is essential for P-body formation and integrity. Acts as a hypoxic regulator by bridging an association between the prolyl hydroxylases and VHL enabling efficient degradation of HIF1A. Acts 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]



Product images:



Circular map for RC222723L4