

Datasheet for ABIN7554398
LIMD1 Protein (AA 1-676) (His tag)



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Overview

Quantity:	1 mg
Target:	LIMD1
Protein Characteristics:	AA 1-676
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LIMD1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LIMD1 Protein expressed in mammalian cells.
Sequence:	MDKYDDLGLE ASKFIEDLNM YEASKDGLFR VDKGAGNNPE FEETRRVFAT KMAKIHQQQ QQQLQEETL PRGSRGPVNG GGRLGPQARW EVVGSKLTVD GAAKPPLAAS TGAPGAVTTL AAGQPPYPPQ EQRSRPYLHG TRHGSQDCGS RESLATSEMS AFHQGPCED PSCLTHGDYY DNLSLSPKW GDKPGVPSI GLSVGSGWPS SPGSDPPLPK PCGDHPLNHR QLSLSSSRSS EGSLGGQNSG IGGRSSEKPT GLWSTASSQR VSPGLPSPNL ENGAPAVGPV QPRTPSVSAP LALSCPRQGG LPRSNSGLGG EVSGVMSKPN VDPQPWFQDG PKSYLSSSAP SSSPAGLDGS QQGAVPGLGP KPGCTDLGTG PKLSPTSLVH PVMSTLPELS CKEGPLGWSS DGSLSVLLD SPSSPRVRLP CQPLVGPPEL RPSAAELKLE ALTQRLEREM DAHPKADYFG ACVKCSKGVF GAGQACQAMG NLYHDTCTFC AACSRKLRGK AFYFVNGKVF CEEDFLYSGF QQSADRCFLC GHLIMDMILQ ALGKSYHPGC FRCVICNECL DGVPFTVDSE NKIYCVRDYH KVLAPKCAAC GLPILPEGS DETIRVVSMD RDYHVECYHC EDCGLELNDE DGHRCYPLED HLFCHSCHVK RLEKRPSSTA LHQHHF Sequence without tag. The proposed Purification-Tag is based on

Product Details

experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: LIMD1

Alternative Name: LIMD1 ([LIMD1 Products](#))

Background: LIM domain-containing protein 1,FUNCTION: 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

Target Details

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. {ECO:0000269|PubMed:15542589, ECO:0000269|PubMed:20303269, ECO:0000269|PubMed:20616046, ECO:0000269|PubMed:21834987, ECO:0000269|PubMed:22286099}.

Molecular Weight: 72.2 kDa

UniProt: [Q9UGP4](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months