

Datasheet for ABIN3137371
LIMD1 Protein (AA 1-668) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	1 mg
Target:	LIMD1
Protein Characteristics:	AA 1-668
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LIMD1 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	MDKYDDLGLE ASKFIEDLNM YEASKDGLFR VDKGAGNNPE FEETRRVFAT KMAKIHLLQQQ QQQQLLQEEA LPRAGRSPVN GGNRQGASGK LAADGAAKPP LAVPTVAPGL ATTTAAQPS YPSQEQRIRP SAHGARPGSQ NCGSREGPVS SQRPALHGLS PSCEDPSCLT HGDYYDNFSL ASPQWGDKPE GCPSVSLGVG SGWPGCPGND STLPKSCGDH HPYQPQLSTV CSGRSFESGI SGQDGGIGGH SSEKPTGLWS TASSQRVNLG FSSMGLENGT SAQPKGTTVS APMVPSSASQ GACPKRDSGL GYEASGRVFK PLVDTQPWLQ DGPKSYSLSV APLSSTAGKD STQPGMTTGL DPKFGCVESG TSPKPSPTSN VHPVMSTPSE LSCKESSPSW STDSSLEPVL PGSPTPSRVR LPCQTLAPGP ELGPSTAEK LEALTQRLER EMDAHPKADY FGSCVKCSKG VFGAGQACQA MGDLYHDACF TCAACSRKLR GKAFYFVNGK VFCEEDFLYS GFQQSADRCF LCGHLIMDMI LQALGKSYHP GCFRCVICNE CLDGVPTVD SENKIYCVRD YHKVLAPKCA ACGLPILPPE GSDETIRVVS MDRDYHVECY HCEDCGLELN DEDGHRCPYL EDHLFCHSCH VKRLEKGPSP APLHQHHF
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Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Limd1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

Purification:

Two step purification of proteins expressed in baculovirus infected SF9 insect cells:

1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.

Purity:

>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.

Sterility:

0.22 µm filtered

Endotoxin Level:

Protein is endotoxin free.

Grade:

Crystallography grade

Target Details

Target:	LIMD1
Alternative Name:	Limd1 (LIMD1 Products)
Background:	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. {ECO:0000269 PubMed:17092936, ECO:0000269 PubMed:18657804}.
Molecular Weight:	72.4 kDa Including tag.
UniProt:	Q9QXD8
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid
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Handling

Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process