

Datasheet for ABIN7548983
LIMA1 Protein (AA 1-759) (His tag)



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Overview

Quantity:	1 mg
Target:	LIMA1
Protein Characteristics:	AA 1-759
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LIMA1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LIMA1 Protein expressed in mammalian cells.
Sequence:	MESSPFNRRQ WTSLSLRVTA KELSLVNKNK SSAIVEIFSK YQKAAEETNM EKKRSNTENL SQHFRKGTLT VLKKKWENPG LGAESHTDSL RNSSTEIRHR ADHPPAEVTS HAASGAKADQ EEQIHPR SRL RSPPEALVQG RYPHIKDGED LKDHSTESKK MENCLGESRH EVEKSEISEN TDASGKIEKY NVPLNRLKMM FEKGEPTQTK ILRAQSR SAS GRKISENSYS LDDLEIGPGQ LSSSTFDSEK NESRRNLELP RLSETSIKDR MAKYQAAVSK QSSSTNYTNE LKASGGEIKI HKMEQKENVP PGPEVCITHQ EGEKISANEN SLAVRSTPAE DDSRDSQVKS EVQQPVHPPK LSPDSRASSL SESSPPKAMK KFQAPARETC VECQKTVYPM ERLLANQQVF HISCFRCSYC NNKLSLGTYA SLHGRIYCKP HFNQLFKSKG NYDEGFGHRP HKDLWASKNE NEEILERPAQ LANARETPHS PGVEDAPIAK VGVLAASMEA KASSQKEKED KPAETKKLRI AWPPPTELGS SGSALEEGIK MSKPKWPPED EISKPEVPED VDLDLKLLRR SSSLKERSRP FTVAASFQST SVKSPKTVSP PIRKGWSMSE QSEESVGGRRV AERKQVENAK ASKKNNGVVK TTVQNKESKG ETGKRSKEGH SLEMENENLV ENGADSDDED NSFLKQQSPQ EPKSLNWSSF VDNTFAEEFT

Product Details

TQNQKSQDVE LWEGEVKEL SVEEQIKRNR YYDEDEDEE **Sequence without tag. The proposed Purification-Tag is based on 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: LIMA1

Alternative Name: LIMA1 ([LIMA1 Products](#))

Background: LIM domain and actin-binding protein 1 (Epithelial protein lost in neoplasm),FUNCTION: Actin-binding protein involved in actin cytoskeleton regulation and dynamics. Increases the number and size of actin stress fibers and inhibits membrane ruffling. Inhibits actin filament depolymerization. Bundles actin filaments, delays filament nucleation and reduces formation of branched filaments (PubMed:12566430). Plays a role in cholesterol homeostasis. Influences plasma cholesterol levels through regulation of intestinal cholesterol absorption. May act as a scaffold protein by regulating NPC1L1 transportation, an essential protein for cholesterol

Target Details

absorption, to the plasma membrane by recruiting MYO5B to NPC1L1, and thus facilitates cholesterol uptake (By similarity). {ECO:0000250|UniProtKB:Q9ERG0, ECO:0000269|PubMed:12566430}.

Molecular Weight: 85.2 kDa

UniProt: [Q9UHB6](#)

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