

Datasheet for ABIN7559427

LMBRD1 Protein (AA 1-537) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	LMBRD1
Protein Characteristics:	AA 1-537
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LMBRD1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Lmbrd1 Protein expressed in mammalien cells.
Sequence:	<p>MAAAAAELVI GWCIFGLLLL AILAFCWVYV RKYQSQRESE VVSTVTAIFS LAVALITSAL LPVDIFLVSY MKNQNGTFKD WADANVTVQI ENTVLYGYT LYSVILFCVF FWIPFVYFY EEKDEDDASK CTQIKTALKY TLGFVVICAL LLLVGAFVPL HLPNNNNSTE WEKVKLLFED LGTGQGLAAL SFSISLTLI GMLAAITYTA YGMSALPLNL IKGTRSTAYE RLENTEDIEE VEQHIQTIRS KSKDGRPLPA RDRRALQCE ERLRTLKRE RHLEFIENSW WTKFCGALRP LKIIWGIFFI LVALLFVISL FLSNLDKALH SAGIDSGFII FGTNLSNPLN MLLPLLQTVF PLDYILITII IMYFIFTSMA GIRNIGIFFF WIRLYKIRRG RTRPQALLFL CMILLIVLH TSYMIYSLAP QYVMYGSQNY LIESNITSDA HKGNSTLAVP KRCDADAPKD QCTVTRTYIF LHKFWFFSAA YYFGNWAFLV VFLIGLIVSC CKGKKSVEG VDESDLSDD EPSAYSA 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</p>

request, please contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

LMBRD1

Alternative Name:

Lmbrd1 ([LMBRD1 Products](#))

Background:

Lysosomal cobalamin transport escort protein LMBD1 (LMBD1) (LMBR1 domain-containing protein 1) (Protein N90b), FUNCTION: Lysosomal membrane chaperone required to export cobalamin (vitamin B12) from the lysosome to the cytosol, allowing its conversion to cofactors. Targets ABCD4 transporter from the endoplasmic reticulum to the lysosome. Then forms a complex with lysosomal ABCD4 and cytoplasmic MMACHC to transport cobalamin across the lysosomal membrane (By similarity). Acts as an adapter protein which plays an important role in mediating and regulating the internalization of the insulin receptor (INSR) (PubMed:24078630). Involved in clathrin-mediated endocytosis of INSR via its interaction with adapter protein complex 2 (PubMed:24078630). Essential for the initiation of gastrulation and early formation of mesoderm structures during embryogenesis (PubMed:27061115). {ECO:0000250|UniProtKB:Q9NUN5, ECO:0000269|PubMed:24078630, ECO:0000269|PubMed:27061115}.

Target Details

Molecular Weight: 61.1 kDa

UniProt: [Q8K0B2](#)

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.

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