

Datasheet for ABIN7549029

LMBRD1 Protein (AA 1-540) (His tag)



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Overview

Quantity:	1 mg
Target:	LMBRD1
Protein Characteristics:	AA 1-540
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LMBRD1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LMBRD1 Protein expressed in mammalian cells.
Sequence:	<p>MATSGAASAE LVIGWCIFGL LLLAILFCW IYVRKYQSRR ESEVVSTITA IFSLAIALIT SALLPVDIFL VSYMKNQNGT FKDWANANVS RQIEDTVLYG YYTLYSVILF CVFFWIPFVY FYYEEKDDDD TSKCTQIKTA LKYTLGFVVI CALLLLVGAF VPLNVPNNKN STEWEKVKSL FEELGSSHGL AALSFSISL TLIGMLAAIT YTAYGMSALP LNLIKGTRSA AYERLENTED IEEVEQHIQT IKSKSKDGRP LPARDKRALK QFEERLRTLK KRERHLEFIE NSWWTKFCGA LRPLKIVWGI FFILVALLFV ISLFLSNLDK ALHSAGIDSG FIIFGANLSN PLNMLLPLLQ TVFPLDYILI TIIMYFIFT SMAGIRNIGI WFFWIRLYKI RRGTRPQAL LFLCMILLI VLHTSYMIYS LAPQYVMYGS QNYLIETNIT SDNHKGNSTL SVPKRCADA PEDQCTVTRT YLFLHKFWFF SAAYYFGNWA FLGVFLIGLI VSCCKGKKS SV IEGVDESDI SDDEPSVYSA</p> <p>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.</p>

Product Details

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	LMBRD1
Alternative Name:	LMBRD1 (LMBRD1 Products)
Background:	<p>Lysosomal cobalamin transport escort protein LMBD1 (LMBD1) (HDAG-L-interacting protein NESI) (LMBR1 domain-containing protein 1) (Nuclear export signal-interacting protein),FUNCTION: Lysosomal membrane chaperone required to export cobalamin (vitamin B12) from the lysosome to the cytosol, allowing its conversion to cofactors (PubMed:19136951). Targets ABCD4 transporter from the endoplasmic reticulum to the lysosome (PubMed:27456980). Then forms a complex with lysosomal ABCD4 and cytoplasmic MMACHC to transport cobalamin across the lysosomal membrane (PubMed:25535791). Acts as an adapter protein which plays an important role in mediating and regulating the internalization of the insulin receptor (INSR) (By similarity). Involved in clathrin-mediated endocytosis of INSR via its interaction with adapter protein complex 2 (By similarity). Essential for the initiation of gastrulation and early formation of mesoderm structures during</p>

Target Details

	embryogenesis (By similarity). {ECO:0000250 UniProtKB:Q8K0B2, ECO:0000269 PubMed:19136951, ECO:0000269 PubMed:27456980, ECO:0000303 PubMed:25535791}., FUNCTION: [Isoform 3]: (Microbial infection) May play a role in the assembly of hepatitis delta virus (HDV). {ECO:0000269 PubMed:15956556}.
Molecular Weight:	61.4 kDa
UniProt:	Q9NUN5

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