Datasheet for ABIN7559098

LDLRAP1 Protein (AA 1-308) (His tag)

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Overview

Quantity:	1 mg
Target:	LDLRAP1
Protein Characteristics:	AA 1-308
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LDLRAP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ldlrap1 Protein expressed in mammalian cells.
Sequence:	MDALKSAGRA LIRSPSLAKQ SWAGGRHRKL PENWTDTRET LLEGMVFSLK YLGMTLVERP KGEELSAAAV KRIVATAKAS GKKLQKVTLK VSPRGIILTD SLTSQLIENV SIYRISYCTA DKMHDKVFAY IAQSQQNESL ECHAFLCTKR KVAQAVTLTV AQAFKVAFEF WQVSKEEKEK REKANQEGGD VPGTRRDSTP SLKTLVATGN LLDLEEVAKA PLSTVSANTN NVDETPRPQV LGNNSVVWEL DDGLDEAFSR LAQSRTNPQV LDTGLSAQDI HYAQCLSPTD WDKPDSSGID QDDDVFTF **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:

Product Details

	• 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:	LDLRAP1
Alternative Name:	Ldlrap1 (LDLRAP1 Products)
Background:	Low density lipoprotein receptor adapter protein 1 (Autosomal recessive hypercholesterolemia protein homolog),FUNCTION: Adapter protein (clathrin-associated sorting protein (CLASP)) required for efficient endocytosis of the LDL receptor (LDLR) in polarized cells such as hepatocytes and lymphocytes, but not in non-polarized cells (fibroblasts). May be required for LDL binding and internalization but not for receptor clustering in coated pits. May facilitate the endocytosis of LDLR and LDLR-LDL complexes from coated pits by stabilizing the interaction between the receptor and the structural components of the pits. May also be involved in the internalization of other LDLR family members. Binds to phosphoinositides, which regulate clathrin bud assembly at the cell surface. Required for trafficking of LRP2 to the endocytic recycling compartment which is necessary for LRP2 proteolysis, releasing a tail fragment which translocates to the nucleus and mediates transcriptional repression (By similarity). {ECO:0000250|UniProtKB:D3ZAR1, ECO:0000269|PubMed:12746448, ECO:0000269|PubMed:15166224}.
Molecular Weight:	34.0 kDa

Target Details

UniProt:	Q8C142
Pathways:	Lipid Metabolism

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

