

Datasheet for ABIN7552113
ALG8 Protein (AA 1-526) (His tag)



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Overview

Quantity:	1 mg
Target:	ALG8
Protein Characteristics:	AA 1-526
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALG8 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ALG8 Protein expressed in mammalian cells.
Sequence:	<p>MAALTIATGT GNWFSALALG VTLLKCLLIP TYHSTDFEVH RNWLAITHSL PISQWYYEAT SEWTLDYPPF FAWFEYILSH VAKYFDQEML NVHNLNYSSS RTLLFQRFSV IFMDVLFVYA VRECKCIDG KKVKGELTEK PKFILSVLLL WNFGLLIVDH IHFQYNGFLF GLMLLSIARL FQKRHMEGAF LFAVLLHFKH IYLYVAPAYG VYLLRSYCFT ANKPDGSIRW KSFSFVRVIS LGLVFLVSA LSLGPFLALN QLPQVFSRLF PFKRGLCHAY WAPNFWALYN ALDKVLSVIG LKLKFLDPNN IPKASMTSGL VQQFQHTVLP SVTPLATLIC TLIAILPSIF CLWFKPQGPR GFLRCLTLCA LSSFMFGWHV HEKAILLAIL PMSLLSVGKA GDASIFLILT TTGHYSLFPL LFTAPELPIK ILLMLLFTIY SISSLKTLFR KEKPLFNWME TFYLLGLGPL EVCCEVFVPF TSWKVKYPFI PLLTSVYCA VGITYAWFKL YVSVLIDSAI GKTKKQ 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:

ALG8

Alternative Name:

ALG8 ([ALG8 Products](#))

Background:

Probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase (EC 2.4.1.265) (Asparagine-linked glycosylation protein 8 homolog) (Dol-P-Glc:Glc(1)Man(9)GlcNAc(2)-PP-dolichyl alpha-1,3-glucosyltransferase) (Dolichyl-P-Glc:Glc1Man9GlcNAc2-PP-dolichyl glucosyltransferase),FUNCTION: Adds the second glucose residue to the lipid-linked oligosaccharide precursor for N-linked glycosylation. Transfers glucose from dolichyl phosphate glucose (Dol-P-Glc) onto the lipid-linked oligosaccharide Glc(1)Man(9)GlcNAc(2)-PP-Dol before it is transferred to the nascent peptide (By similarity). Required for PKD1/Polycystin-1 maturation and localization to the plasma membrane of the primary cilia (By similarity). {ECO:0000250|UniProtKB:P40351, ECO:0000250|UniProtKB:Q6P8H8}.

Molecular Weight:

60.1 kDa

Target Details

UniProt:	Q9BVK2
Pathways:	SARS-CoV-2 Protein Interactome

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