

Datasheet for ABIN7552179  
**ALG1 Protein (AA 1-464) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ALG1
Protein Characteristics:	AA 1-464
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALG1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant ALG1 Protein expressed in mammalian cells.
Sequence:	MAASCLVLLA LCLLLPLLLL GGWKRWRRGR AARHVAVVL GDVGRSPRMQ YHALSLAMHG FSVTLLGFCN SKPHDELLQN NRIQIVGLTE LQSLAVGPRV FQYGVKVVLLQ AMYLLWKLMW REPGAYIFLQ NPPGLPSIAV CWFVGCLCGS KLVIDWHNYG YSIMGLVHGP NHPLVLLAKW YEKFFGRLSH LNLCVTNAMR EDLADNWHIR AVTVYDKPAS FFKETPLDLQ HRLFMKLGSM HSPFRARSEP EDPVTERSAF TERDAGSLV TRLRERPALL VSSTSWTEDE DFSILLAALAE KFEQLTLDGH NLPSLVCVIT GKGPLREYYS RLIHQKHFQH IQVCTPWLEA EDYPLLLGSA DLGVCLHTSS SGLDLPKVV DMFGCCLPVC AVNFKCLHEL VKHEENGLVF EDSEELAAQL QMLFSNFPDP AGKLNQFRKN LRESQQLRWD ESWVQTVLPL VMDT <b>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.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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isoform, please contact us regarding an individual offer.

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

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## Target Details

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### Target:

ALG1

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### Alternative Name:

ALG1 ([ALG1 Products](#))

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### Background:

Chitobiosyldiphosphodolichol beta-mannosyltransferase (EC 2.4.1.142) (Asparagine-linked glycosylation protein 1 homolog) (Beta-1,4-mannosyltransferase) (GDP-Man:GlcNAc2-PP-dolichol mannosyltransferase) (GDP-mannose-dolichol diphosphochitobiose mannosyltransferase) (Mannosyltransferase-1) (MT-1) (hMat-1),FUNCTION: Catalyzes the addition of the first of nine mannose moieties to form a dolichol-lipid linked oligosaccharide intermediate required for proper N-linked glycosylation. {ECO:0000269|PubMed:10704531, ECO:0000269|PubMed:14973778, ECO:0000269|PubMed:26931382}.

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### Molecular Weight:

52.5 kDa

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### UniProt:

[Q9BT22](#)

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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