

Recombinant Full Length Human ALG1 Protein, GST-tagged

Cat. No. ALG1-1426HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALG1 full-length ORF (NP_061982.3, 1 a.a. - 464 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	464 amino acids
Description	The enzyme encoded by this gene catalyzes the first mannosylation step in the biosynthesis of lipid-linked oligosaccharides. This gene is mutated in congenital disorder of glycosylation type Ik. [provided by RefSeq, Dec 2008]
Molecular Mass	78.9 kDa
AA Sequence	MAASCLVLLA LCLLLPLLLL GGWKRWRRGR AARHVAVVL GDVGRSPRMQ YHALSLAMHG FSVTLGFCN SKPHDELLQN NRIQIVGLTE LQSLAVGPRV FQYGVKVV LQ AMYLLWKL MW REPGAYIFLQ NPPGLPSIAV CWFVGCCLCGS KLVIDWHNYG YSIMGLVHGP NHPLVLLAKW YEKFFGRLSH LNLCVTNAMR EDLADNWHIR AVTVYDKPAS FFKETPLDLQ HRLFMKLGSM HSPFRARSEP EDPVTERSAF TERDAGSGLV TRLRERPALL VSSTSWTEDE DFSILLAAL E KFEQLTLDGH NLPSLVCVIT GKGPLREYYS RLIHQKHFQH IQVCTPWLEA EDYPLLLGSA DLGVCLHTSS SGLDLP MKVV DMFGCCLPVC AVNFKCLHEL VKHEENGLVF EDSEELAAQL QMLFSNFPDP AGKLNQFRKN LRESQQLRWD ESWVQTVLPL VMDT

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ALG1 asparagine-linked glycosylation 1, beta-1,4-mannosyltransferase homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	ALG1
Synonyms	ALG1; asparagine-linked glycosylation 1, beta-1,4-mannosyltransferase homolog (S. cerevisiae); asparagine linked glycosylation 1 homolog (yeast, beta 1,4 mannosyltransferase); chitobiosyldiphosphodolichol beta-mannosyltransferase; HMT1; HMT 1; mannosyltransferase-1; beta-1,4 mannosyltransferase; beta-1,4-mannosyltransferase; GDP-Man:GlcNAc2-PP-dolichol mannosyltransferase; asparagine-linked glycosylation protein 1 homolog; GDP-mannose-dolichol diphosphochitobiose mannosyltransferase; asparagine-linked glycosylation 1 homolog (yeast, beta-1,4-mannosyltransferase); HMT1; MT-1; CDG1K; HMT-1; Mat-1; hMat-1
Gene ID	56052
mRNA Refseq	NM_019109
Protein Refseq	NP_061982
MIM	605907

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UniProt ID

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