

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 FSVTLLGFCN SKPHDELLQN NRIQIVGLTE LQSLAVGPRV
 FQYGVKVVLLQ AMYLLWKLWV REPGAYIFLQ NPPGLPSIAV CWFVGCCLCGS
 KLVIDWHNYG YSIMGLVHGP NHPLVLLAKW YEKFFGRLSH LNLCVTNAMR
 EDLADNWHIR AVTVYDKPAS FFKETPLDLQ HRLFMKLGSM HSPFRARSEP
 EDPVTERSAF TERDAGSGLV TRLRERPALL VSSTSWTEDE DFSILLAAL
 KFEQLTLDGH NLPSLVCVIT GKGPLREYYS RLIHQKHFQH IQVCTPWLEA
 EDYPLLLGSA DLGVCLHTSS SGLDLPKVV 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 (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	ALG1
Synonyms	ALG1; asparagine-linked glycosylation 1, beta-1,4-mannosyltransferase homolog (<i>S. cerevisiae</i>); asparagine linked glycosylation 1 homolog (yeast, beta 1,4 mannosyltransferase); chitobiosyldiphosphodolichol beta-mannosyltransferase; HMAT1; 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

Q9BT22

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