

Recombinant Human ALG1 Protein, GST-tagged

Cat. No. ALG1-459H **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	Wheat Germ
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	MAASCLVLLALCLLLPLLLLGGWKRWRRGRAARHVAVVLGDVGRSPRMQYHALSL AMHGFSVTLLGFCNSKPHDELLQNNRIQIVGLTELQSLAVGPRVFQYGVKVVQLQAMY LLWKLMWREPGAYIFLQNPPGLPSIACWVFGCLCGSKLVIDWHNYGYSIMGLVHG PNHPLVLLAKWYEKFFGRLSHLNLCTNAMREDLADNWHIRAVTVYDKPASFFKET PLDLQHRLFMKLGSMHSPFRARSEPEDPVTERSAFTERDAGSGLVTRLRERPALLV SSTSWTEDEDFSILLAALEKFEQLTLDGHNLPVLCVITGKGPLREYYSRLIHQKHQFQ HIQVCTPWLEAEDYPLLLGSADLGVCLHTSSSGLDLPKVVDMFGCCLPVCVAVNFK CLHELKHEENGLVFEDSEELAAQLQMLFSNFPDPAGKLNQFRKNLRESQQLRWD ESWVQTVLPLVMDT
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
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; 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

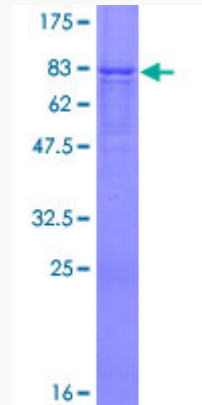
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UniProt ID

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