

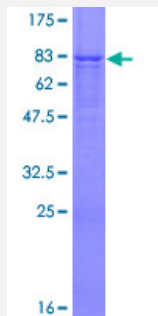
Full-Length

ALG1 (Human) Recombinant Protein (P01)

Catalog # H00056052-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ALG1 full-length ORF (NP_061982.3, 1 a.a. - 464 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAASCLVLLALCLLLPLLLLGGWKRWRRGRAARHVAVVLGDVGRSPRMQYHALSLAMHGFSV
TLLGFCNSKPHDELLQNNRIQVGLTELQSLAVGPRVFQYGKVVLLQAMYLLWKLMWREPGAYIFL
QNPPGLPSIAVCWVFGCLCGSKLVIDWHNYGYSIMGLVHGPNHPLVLLAKWYEKFFGRLSHLNL
VTNAMREDLADNWHIRAVTVYDKPASFFKETPLDLQHRLFMKLGSMHSPFRARSEPEDPVTERS
AFTERDAGSGLVTRLRERPALLVSSTSWTEDEDFSIILAALEKFEQLTLDGHNLP
SLVCVITGKGPLREYYSRLIHQKHQHFQHIQVCTPWLEAEDYPLLLGSADLGVCLHTSSSGLDLP
MKVVDMFGCCLPVCAVNFKCLHELKHEENGLVFEDSEELAAQLQMLFSNFPDPAGKLNQFRKNL
RESQQLRWDES
WVQTVLPLVMDT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

78.9

Interspecies Antigen Sequence

Mouse (80)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ALG1

Entrez GeneID	56052
GeneBank Accession#	NM_019109.3
Protein Accession#	NP_061982.3
Gene Name	ALG1
Gene Alias	HMAT1, HMT-1, HMT1
Gene Description	asparagine-linked glycosylation 1, beta-1,4-mannosyltransferase homolog (S. cerevisiae)
Omim ID	605907 608540
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	GDP-Man:GlcNAc2-PP-dolichol mannosyltransferase GDP-mannose-dolichol diphosphochitobiose mannosyltransferase asparagine-linked glycosylation 1 homolog (yeast, beta-1,4-mannosyltransferase) beta-1,4 mannosyltransferase beta-1,4-mannosyltransferase chitobio

Pathway

- [Metabolic pathways](#)
- [N-Glycan biosynthesis](#)

Disease

- [Tobacco Use Disorder](#)