

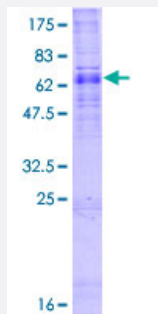
Full-Length

ALG3 (Human) Recombinant Protein (P01)

Catalog # H00010195-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ALG3 full-length ORF (NP_005778.1, 1 a.a. - 438 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAGLRKRGRSGSAAQAEGLCKQWLQRAWQERRLLREPRYTLLVAACLCLAEVGITFWVIHRV
AYTEIDWKAYMAEVEGVINGTYDYTLQGGDTGPLVYPAGFVYIFMGLYYATSRGTDIRMAQNIFAVLY
LATLLLFLYHQTKVPPFVFFFMCCASYRVHSIFVLRLFNDPVAMVLLFLSINLLLAQRWGWGC
CFFSLAVSVKMNVLLFAPGLLFLLLTQFGFRGALPKLGICAGLQVVLGLPFLLNPSGYLSRSFDL
GRQFLFHWTNVNWRFLPEALFLHRAFLALLTAHLTLLLLFALCRWHRTGESILSLLRDPSKRKVPP
QPLTPNQIVSTLFTSNFIGICFSRSLHYQFYVWFHTLPYLLWAMPARWLTHLLRLLVLGLIELSWNT
YPSTSCSSAALHICHAVILLQLWLGPQFPKSTQHSKKAH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

76.5

Interspecies Antigen Sequence

Mouse (88); Rat (87)

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 — ALG3

Entrez GeneID	10195
GeneBank Accession#	NM_005787.4
Protein Accession#	NP_005778.1
Gene Name	ALG3
Gene Alias	CDGS4, D16Ertd36e, NOT56L, Not56
Gene Description	asparagine-linked glycosylation 3, alpha-1,3- mannosyltransferase homolog (S. cerevisiae)
Omim ID	601110 608750
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the ALG3 family. The encoded protein catalyses the addition of the first dol-P-Man derived mannose in an alpha 1,3 linkage to Man5GlcNAc2-PP-Dol. Defects in this gene have been associated with congenital disorder of glycosylation type Id (CDG-Id) characterized by abnormal N-glycosylation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	Not56-like protein alpha-1,3-mannosyltransferase ALG3 asparagine-linked glycosylation 3 homolog (S. cerevisiae, alpha-1,3-mannosyltransferase) asparagine-linked glycosylation 3 homolog (yeast, alpha-1,3-mannosyltransferase) carbohydrate deficient glycopro

Pathway

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