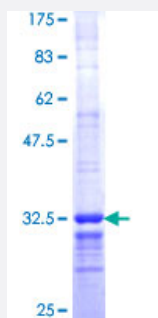


ALG12 (Human) Recombinant Protein (Q01)

Catalog # H00079087-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ALG12 partial ORF (NP_077010, 369 a.a. - 425 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	NYPGGVAMQRLHQLVPPQTDVLLHIDVAAAQTGVSRLQVNSAWRYDKREDVQPGTG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	32.01
Interspecies Antigen Sequence	Mouse (78); Rat (78)
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 — ALG12

Entrez GeneID	79087
GeneBank Accession#	NM_024105
Protein Accession#	NP_077010
Gene Name	ALG12
Gene Alias	ECM39, MGC111358, MGC3136, PP14673, hALG12
Gene Description	asparagine-linked glycosylation 12, alpha-1,6-mannosyltransferase homolog (S. cerevisiae)
Omim ID	607143 607144
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the glycosyltransferase 22 family. The encoded protein catalyzes the addition of the eighth mannose residue in an alpha-1,6 linkage onto the dolichol-PP-oligosaccharide precursor (dolichol-PP-Man(7)GlcNAc(2)) required for protein glycosylation. Mutations in this gene have been associated with congenital disorder of glycosylation type Ig (CDG-Ig) characterized by abnormal N-glycosylation. [provided by RefSeq]
Other Designations	alpha-1,6-mannosyltransferase ALG12[asparagine-linked glycosylation 12 homolog (S. cerevisiae, alpha-1,6-mannosyltransferase)]asparagine-linked glycosylation 12 homolog (yeast, alpha-1,6-mannosyltransferase)[dolichyl-P-mannose:Man-7-GlcNAc-2-PP-dolichyl-a

Pathway

- [Metabolic pathways](#)

- [N-Glycan biosynthesis](#)