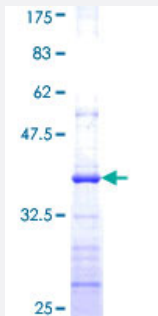


ALG5 (Human) Recombinant Protein (Q01)

Catalog # H00029880-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ALG5 partial ORF (NP_037470, 232 a.a. - 324 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RDTQCGFKLFTREAASRTFSSLHVERWAFDVELLYAQFFKIPAEIAVNWTEIEGSKLVPFWSWLQ MGKDLLFIRLRYLTGAWRLEQTRKMN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.97
Interspecies Antigen Sequence	Mouse (89); Rat (91)
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 — ALG5

Entrez GeneID	29880
GeneBank Accession#	NM_013338
Protein Accession#	NP_037470
Gene Name	ALG5
Gene Alias	RP11-421P11.2, bA421P11.2
Gene Description	asparagine-linked glycosylation 5, dolichyl-phosphate beta-glucosyltransferase homolog (S. cerevisiae)
Omim ID	604565
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the glycosyltransferase 2 family. The encoded protein participates in glucosylation of the oligomannose core in N-linked glycosylation of proteins. The addition of glucose residues to the oligomannose core is necessary to ensure substrate recognition, and therefore, effectual transfer of the oligomannose core to the nascent glycoproteins. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	Alg5, S. cerevisiae, homolog of[OTTHUMP00000042273]asparagine-linked glycosylation 5 homolog (S. cerevisiae, dolichyl-phosphate beta-glucosyltransferase)[asparagine-linked glycosylation 5 homolog (yeast, dolichyl-phosphate beta-glucosyltransferase)]dolich

Pathway

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