

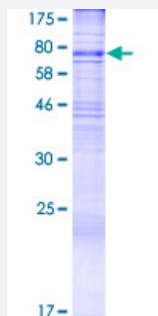
Full-Length

ALG9 (Human) Recombinant Protein (P01)

Catalog # H00079796-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ALG9 full-length ORF (NP_079016.1, 1 a.a. - 618 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASRGARQRLKGSGASSGDTAPAADKIRELLGSREAGGAEHRTLSGNKAGQVWAPEGSTAF
KCLLSARLCAALLSNISDCDETFNYWEPHTLYGEGFQTWEYSPAYAIRSYAYLLLHAWPAAFHAR
ILQTNKILVFYFLRCLLAFVSCICELYFYKAVCKKFGLHVSRRMLAFLVLSTGMFCSSSAFLPSSFC
MYTTIAMTGWYMDKTSIAVLGVAAGAILGWPFSAALGLPIAFDLLVMKHWKSFFHWSLMALILFL
VPVVVIDSYYYGKLVIAPLNVLNIFTPHGPDLYGTEPWYFYLINGFLNFNVAFALALLVLPLTSLMEY
LLQRFHVQNLGHPYWLTLAPMYWFIIFFIQPHKEERFLFPVYPLICLGAVALSALQHSFLYFQKCY
HFVFQRYRLEHYTVTSNWLALGTVFLFGLLSFSRSVALFRGYHGPLDLYPEFYRIATDPTIHTVPEG
RPVNVCVGKEWYRFPSSFLLPDNWQLQFIPSEFRGQLPKPFAEGPLATRMPTDMNDQNLEEPS
RYIDISKCHYLDLDTMRETPREPKYSSNKEEWISLAYRPFLDASRSSKLLRAFYVPFLSDQYTVYV
NYTILKPRKAKQIRKKSGG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

97.2

Interspecies Antigen Sequence

Mouse (92); 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 — ALG9

Entrez GeneID	79796
GeneBank Accession#	NM_024740.1
Protein Accession#	NP_079016.1
Gene Name	ALG9
Gene Alias	DIBD1, DKFZp586M2420, FLJ21845, LOH11CR1J
Gene Description	asparagine-linked glycosylation 9, alpha-1,2-mannosyltransferase homolog (S. cerevisiae)
Omim ID	606941 608776
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an alpha-1,2-mannosyltransferase enzyme that functions in lipid-linked oligosaccharide assembly. Mutations in this gene result in congenital disorder of glycosylation type II. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	asparagine-linked glycosylation 9 homolog (S. cerevisiae, alpha- 1,2-mannosyltransferase) asparagine-linked glycosylation 9 homolog (yeast, alpha- 1,2-mannosyltransferase) asparagine-linked glycosylation 9 protein disrupted in bipolar affective disorder 1

Pathway

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