

Recombinant Human ALG9 Protein, GST-tagged

Cat. No. ALG9-468H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALG9 full-length ORF (NP_079016.1, 1 a.a. - 618 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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, Dec 2008]
Molecular Mass	97.2 kDa
AA Sequence	MASRGARQRLKGSGASSGDTAPAADKIRELLGSREAGGAEHRTLSGNKAGQVW APEGSTAFKCLLSARLCAALLSNISDCDETFNYWEPHYLIYGEFGQTWEYSPAYAIR SYAYLLLHAWPAAFHARILQTNKILVFYFLRCLLAFVSCICELYFYKAVCKKFGLHVS MMLAFLVLSTGMFCSSSAFLPSSFCMYTTLIAMTGWYMDKTSIAVLGVAAGAILGWP FSAALGLPIAFDLLVMKHRWKSFFHWSLMALILFLVPVVVIDSYYYGKLVIAPLNIVLY NIFTPHGPDLYGTEPWYFYLINGFLNFNVAFALALLVLPLTSLMEYLLQRFHVQNLGH PYWLTAPMYIWFIIFFIQPHKEERFLFPVYPLICLGAVALSALQHSFLYFQKCYHFV FQRYRLEHYTVTSNWLALGTVFLFGLLSFSRSVALFRGYHGPLDLYPEFYRIATDPTI HTVPEGRPVNVCVGKEWYRFPSSFLLPDNWQLQFIPSEFRGQLPKPFAEGPLATRI VPTDMNDQNLEEPSRYIDISKCHYLVLDLTMRETPREPKYSSNKEEWISLAYRPFLD

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ASRSSKLLRAFYVPFLSDQYTVYVNYTILKPRKAKQIRKKSGG

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ALG9 asparagine-linked glycosylation 9, alpha-1,2-mannosyltransferase homolog (S. cerevisiae) [Homo sapiens]

Official Symbol

ALG9

Synonyms

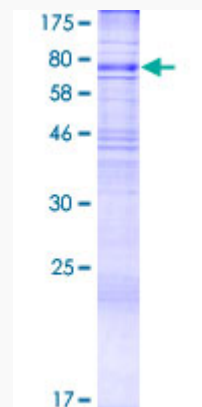
ALG9; asparagine-linked glycosylation 9, alpha-1,2-mannosyltransferase homolog (S. cerevisiae); asparagine linked glycosylation 9 homolog (yeast, alpha 1,2 mannosyltransferase) , asparagine linked glycosylation 9, alpha 1,2 mannosyltransferase homolog (S. cerevisiae, alpha 1,2 mannosyltransferase) , DIBD1, disrupted in bipolar affective disorder 1; alpha-1,2-mannosyltransferase ALG9; disrupted in bipolar disorder protein 1; disrupted in bipolar affective disorder 1; asparagine-linked glycosylation protein 9 homolog; dol-P-Man:Man(6)GlcNAc(2)-PP-Dol alpha-1,2-mannosyltransferase; dol-P-Man:Man(8)GlcNAc(2)-PP-Dol alpha-1,2-mannosyltransferase; loss of heterozygosity, 11, chromosomal region 1 gene J product; asparagine-linked glycosylation 9 homolog (yeast, alpha- 1,2-mannosyltransferase); asparagine-linked glycosylation 9 homolog (S. cerevisiae, alpha- 1,2-mannosyltransferase); CDG1L; DIBD1; LOH11CR1J; FLJ21845; DKFZp586M2420;

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Gene ID	79796
mRNA Refseq	NM_024740
Protein Refseq	NP_079016
MIM	606941
UniProt ID	Q9H6U8



12.5% SDS-PAGE Stained with Coomassie Blue.