

Recombinant Full Length Human ALG9 Protein, GST-tagged

Cat. No. ALG9-1440HF **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	In Vitro Cell Free System
ProteinLength	618 amino acids
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	MASRGARQRL KGSGASSGDT APAADKLREL LGSREAGGAE HRTELSGNKA GQVWAPEGST AFKCLLSARL CAALLSNISD CDETFNYWEP THYLIYGEGF QTWEYSPAYA IRSYAYLLLH AWPAAFHARI LQTNKILVFY FLRCLLAFVS CICELYFYKA VCKKFGHLHVS RMMLAFLVLS TGMFCSSSAF LPSSFCMYTT LIAMTGWYMD KTSIAVLGVA AGAILGWPFs AALGLPIAFD LLVMKHRWKS FFHWSLMALI LFLVPVVVID SYYYGKLVIA PLNIVLYNIF TPHGPDLYGT EPWYFYLING FLNFNVAFAL ALLVLPLTSL MEYLLQRFHV QNLGHPYWLT LAPMYIWFII FFIQPHKEER FLFPVYPLIC LCGAVALSAL QHSFLYFQKC YHFVFQRYRL EHYTVTSNWL ALGTVFLFGL LSFsRSVALF RGYHGPLDLY

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PEFYRIATDP TIHTVPEGRP VNVCVGKEWY RFPSSFLLPD NWQLQFIPSE
FRGQLPKPFA EGPLATRIVP TDMNDQNLEE PSRYIDISKC HYLVDLDTMR
ETPREPKYSS NKEEWISLAY RPFLDASRSS KLLRAFYVPF LSDQYTVYVN
YTILKPRKAK QIRKKSGG

Applications

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

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,

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alpha- 1,2-mannosyltransferase); CDG1L; DIBD1; LOH11CR1J; FLJ21845;
DKFZp586M2420

Gene ID 79796

mRNA Refseq NM_024740

Protein Refseq NP_079016

MIM 606941

UniProt ID Q9H6U8

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