

Recombinant Human ALG12 Protein, GST-tagged

Cat. No. ALG12-461H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALG12 partial ORF (NP_077010, 369 a.a. - 425 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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, Jul 2008]
Molecular Mass	32.01 kDa
AA Sequence	NYPGGVAMQRLHQLVPPQTDVLLHIDVAAAQTGVSRLQVNSAWRYDKREDVQPGTG
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.

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

GENE INFORMATION

Gene Name ALG12 asparagine-linked glycosylation 12, alpha-1,6-mannosyltransferase homolog (S. cerevisiae) [Homo sapiens]

Official Symbol ALG12

Synonyms ALG12; asparagine-linked glycosylation 12, alpha-1,6-mannosyltransferase homolog (S. cerevisiae); asparagine linked glycosylation 12 homolog (yeast, alpha 1,6 mannosyltransferase); dol-P-Man:Man(7)GlcNAc(2)-PP-Dol alpha-1,6-mannosyltransferase; ECM39; membrane protein SB87; mannosyltransferase ALG12 homolog; asparagine-linked glycosylation protein 12 homolog; dolichyl-P-Man:Man(7)GlcNAc(2)-PP-dolichyl-alpha-1,6-mannosyltransferase; dolichyl-P-mannose:Man-7-GlcNAc-2-PP-dolichyl-alpha-6-mannosyltransferase; asparagine-linked glycosylation 12 homolog (yeast, alpha-1,6-mannosyltransferase); asparagine-linked glycosylation 12 homolog (S. cerevisiae, alpha-1,6-mannosyltransferase); CDG1G; hALG12; PP14673; MGC3136; MGC111358;

Gene ID 79087

mRNA Refseq NM_024105

Protein Refseq NP_077010

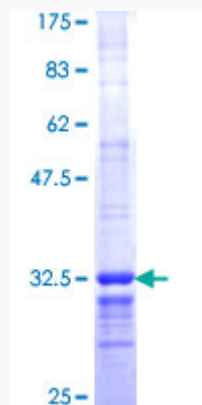
MIM 607144

UniProt ID Q9BV10

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12.5% SDS-PAGE Stained with Coomassie Blue.

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