

## Recombinant Human ALG12 Protein, GST-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ALG12 partial ORF ( NP_077010, 369 a.a. - 425 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 32.01 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | NYPGGVAMQRLHQLVPPQTDVLLHIDVAAAQTGVSRLQVNSAWRYDKREDVQPGTG                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array                                                                                                                                                                                                                                                                                                                                                         |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>          | 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

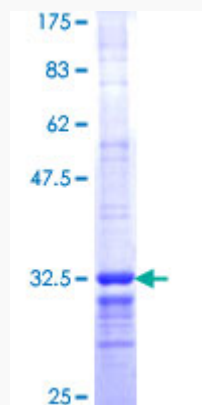
**MIM** 607144

**UniProt ID** Q9BV10

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12.5% SDS-PAGE Stained with Coomassie Blue.

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