

Recombinant Human ALG10 Protein, GST-tagged

Cat. No. ALG10-460H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALG10 partial ORF (NP_116223, 48 a.a. - 97 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a membrane-associated protein that adds the third glucose residue to the lipid-linked oligosaccharide precursor for N-linked glycosylation. That is, it transfers the terminal glucose from dolichyl phosphate glucose (Dol-P-Glc) onto the lipid-linked oligosaccharide Glc2Man9GlcNAc(2)-PP-Dol. The rat protein homolog was shown to specifically modulate the gating function of the rat neuronal ether-a-go-go (EAG) potassium ion channel. [provided by RefSeq, Jan 2010]
Molecular Mass	31.24 kDa
AA Sequence	KLTEAWKTELQKKEDRLPPIKGPFAEFRKILQFLAYSMSFKNLSMLLLL
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 ALG10 asparagine-linked glycosylation 10, alpha-1,2-glucosyltransferase homolog (S. pombe) [Homo sapiens]

Official Symbol ALG10

Synonyms ALG10; asparagine-linked glycosylation 10, alpha-1,2-glucosyltransferase homolog (S. pombe); asparagine linked glycosylation 10, alpha 1,2 glucosyltransferase homolog (yeast); dol-P-Glc:Glc(2)Man(9)GlcNAc(2)-PP-Dol alpha-1,2-glucosyltransferase; derepression of ITR1 expression 2 homolog (S. cerevisiae); DIE2; FLJ14751; alpha2-glucosyltransferase; potassium channel regulator 1; alpha-2-glucosyltransferase ALG10-A; alpha-1,2-glucosyltransferase ALG10-A; derepression of ITR1 expression 2 homolog; asparagine-linked glycosylation protein 10 homolog A; asparagine-linked glycosylation 10 homolog (yeast, alpha-1,2-glucosyltransferase); KCR1;

Gene ID 84920

mRNA Refseq NM_032834

Protein Refseq NP_116223

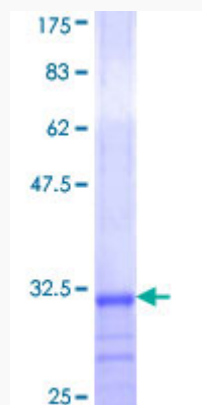
MIM 603313

UniProt ID Q5BKT4

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12.5% SDS-PAGE Stained with Coomassie Blue.

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