

Recombinant Human ALG5 Protein, GST-tagged

Cat. No. ALG5-465H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALG5 full-length ORF (AAH12531, 1 a.a. - 324 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the glycosyltransferase 2 family. The encoded protein participates in glucosylation of the oligomannose core in N-linked glycosylation of proteins. The addition of glucose residues to the oligomannose core is necessary to ensure substrate recognition, and therefore, effectual transfer of the oligomannose core to the nascent glycoproteins. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2008]
Molecular Mass	61.38 kDa
AA Sequence	MAPLLLQLAVLGAALAAAALVLISIVAF TTATKMPALHRHEEEKFFLNAKGQKETLPSI WDSPTKQLSVVVPSYNEEKRLPVMMDEALSYLEKRQKRDP AFTYEIVVDDGSKDQ TSKVAFKYCQKYGSDKVRVITLVKNRGKGGAIRMGIFSSRGEKILMADADGATKFPD VEKLEKGLNDLQPWPNQMAIACGSRAHLEKESIAQRSYFRTLLMYGFHFLVWFLCV KGIRD TQCGFKLFTREAA SRTFSSLHVERWAFDVELLYIAQFFKIPIAEI AVNWTEIEG SKLVPFWSWLQMGKDLLFIRLRYLTGAWRLEQTRKMN
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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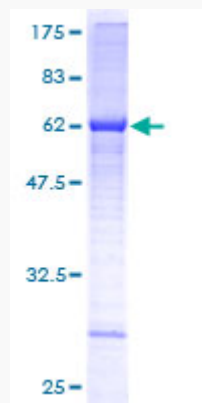
 45-1 Ramsey Road, Shirley, NY 11967, USA

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	ALG5 asparagine-linked glycosylation 5, dolichyl-phosphate beta-glucosyltransferase homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	ALG5
Synonyms	ALG5; asparagine-linked glycosylation 5, dolichyl-phosphate beta-glucosyltransferase homolog (S. cerevisiae); asparagine linked glycosylation 5 homolog (yeast, dolichyl phosphate beta glucosyltransferase); dolichyl-phosphate beta-glucosyltransferase; bA421P11.2; dolP-glucosyltransferase; Alg5, S. cerevisiae, homolog of; dolichyl phosphate glucosyltransferase; asparagine-linked glycosylation protein 5 homolog; asparagine-linked glycosylation 5 homolog (yeast, dolichyl-phosphate beta-glucosyltransferase); asparagine-linked glycosylation 5 homolog (S. cerevisiae, dolichyl-phosphate beta-glucosyltransferase); RP11-421P11.2;
Gene ID	29880
mRNA Refseq	NM_001142364
Protein Refseq	NP_001135836
MIM	604565
UniProt ID	Q9Y673

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12.5% SDS-PAGE Stained with Coomassie Blue.

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