Recombinant Human ALG5, His-tagged

Cat. No. ALG5-9577H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALG5 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	34-324a.a.
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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	ALG5 asparagine-linked glycosylation 5, dolichyl-phosphate beta-glucosyltransferase

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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
Chromosome Location	13q13.1
Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Biosynthesis of the N-glycan precursor (dolichol lipid-linked oligosaccharide, LLO) and transfer to a nascent protein, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan biosynthesis, organism-specific biosystem; N-Glycan biosynthesis, conserved

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	biosystem; Post-translational protein modification, organism-specific biosystem;
Function	dolichyl-phosphate beta-glucosyltransferase activity; oligosaccharyl transferase activity; transferase activity, transferring glycosyl groups;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA