

Recombinant Human ALG8 293 Cell Lysate

Cat. No. ALG8-8905HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for asparagine-linked glycosylation 8, alpha-1,3-glucosyltransferase homolog (<i>S. cerevisiae</i>) (ALG8), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

ALG8 asparagine-linked glycosylation 8, alpha-1,3-glucosyltransferase homolog (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

ALG8

Synonyms

ALG8; asparagine-linked glycosylation 8, alpha-1,3-glucosyltransferase homolog (*S. cerevisiae*); asparagine linked glycosylation 8 homolog (yeast, alpha 1,3 glucosyltransferase); probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase; MGC2840; HUSSY-02; asparagine-linked glycosylation protein 8 homolog; dolichyl-P-Glc:Glc1Man9GlcNAc2-PP-dolichyl glucosyltransferase; dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase; dol-P-Glc:Glc(1)Man(9)GlcNAc(2)-PP-dolichyl alpha-1,3-glucosyltransferase; dolichyl-P-glucose:Glc1Man9GlcNAc2-PP-dolichyl-alpha-1,3-glucosyltransferase; asparagine-linked glycosylation 8 homolog (yeast, alpha-1,3-glucosyltransferase); asparagine-linked glycosylation 8 homolog (*S. cerevisiae*, alpha-1,3-glucosyltransferase); CDG1H;

Gene ID

79053

mRNA Refseq

NM_001007027

Protein Refseq

NP_001007028

MIM

608103

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UniProt ID	Q9BVK2
Chromosome Location	11pter-p15.5
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 biosystem; N-glycan precursor biosynthesis, organism-specific biosystem;
Function	alpha-1,3-mannosyltransferase activity; transferase activity, transferring hexosyl groups;