

Product Information

MemDX™ Membrane Protein Human ALG8 (ALG8 alpha-1,3-glucosyltransferase) Full

Length

Cat. No.: **MPC4180K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human ALG8 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ALG8

Protein Length

Full length

Protein Class

Transferase

TMD

11

Sequence

MAALTATGTGNWFSAALGVTLKCLLIPTYHSTDFEVHRNWLAITHSL
PISQWYYEATSEWTLDYPPFFAWFEYILSHVAKYFDQEMLNHNLYSSS
RTLLFQRFSVIFMDVLFVYAVRECKCIDGKKVGKELTEKPKFILSVLL
WNFGLLIVDHIHFQYNGFLFGLMLLSIARLFQKRHMEGAFLFAVLLHFKH
IYLYVAPAYGVYLLRSYCFANKPDGSIRWKSFSFVRVISLGLVVFLVSA
LSLGPFLALNQLPQVFSRLFPFKRGLCHAYWAPNFWALYNALDKVLSVIG
LKLKFLDPNNIPKASMTSGLVQQFQHTVLPSTPLATLICTLIAILPSIF
CLWFKPQGPGRGFLRCLTLCALSSFMFGWHVHEKAILLAILPMSLLSVGKA
GDASIFLILTTTGHYSLFPLLTAPELPIKILLMLLFTIYSSSLKTLFR
KEKPLFNWMETFYLLGLGPLEVCCEFVPFTSWKVYPFIPLLLTSVYCA
VGITYAWFKLYVSVLIDSAIGKTKKQ

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

ALG8

Full Name

ALG8 alpha-1,3-glucosyltransferase

Introduction

This gene encodes a member of the ALG6/ALG8 glucosyltransferase family. The encoded protein catalyzes the addition of the second glucose residue to the lipid-linked oligosaccharide precursor for N-linked glycosylation of proteins. Mutations in this gene have been associated with congenital disorder of glycosylation type 1h (CDG-1h). Alternatively spliced transcript variants encoding different isoforms have been identified.

Alternative Names

ALG8; CDG1H; PCLD3; probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase; HUSSY-02; asparagine-linked glycosylation 8 alpha-1,3-glucosyltransferase-like protein; asparagine-linked glycosylation 8 homolog (*S. cerevisiae*, alpha-1,3-glucosyltransferase); asparagine-linked glycosylation 8 homolog (yeast, alpha-1,3-glucosyltransferase); asparagine-linked glycosylation 8, alpha-1,3-glucosyltransferase homolog; asparagine-linked glycosylation protein 8 homolog; dol-P-Glc:Glc(1)Man(9)GlcNAc(2)-PP-dolichyl alpha-1,3-glucosyltransferase; dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase; dolichyl-P-Glc:Glc(1)Man(9)GlcNAc(2)-PP-dolichol alpha-1->3-glucosyltransferase; dolichyl-P-Glc:Glc1Man9GlcNAc2-PP-dolichyl glucosyltransferase; dolichyl-P-glucose:Glc1Man9GlcNAc2-PP-dolichyl-alpha-1,3-glucosyltransferase; ALG8 alpha-1,3-glucosyltransferase

Gene ID

[79053](#)

UniProt ID

[Q9BVK2](#)