

Product Information

MemDX™ Membrane Protein Human ALG9 (ALG9 alpha-1,2-mannosyltransferase) Full

Length

Cat. No.: **MPC4462K**

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

This product is a made-to-order Human ALG9 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

ALG9

Protein Length

Full length

Protein Class

Transferase

TMD

8

Sequence

MASRGARQRLKGSGASSGDTAPAADKLRELLGSREAGGAEHRTLSGNKA
GQVWAPEGSTAFKCLLSARLCAALLSNISDCDETFNYWEPTHYLIYGEGF
QTWEYSPAYAIRSYAYLLLHAWPAAFHARILQTNKILVFYFLRCLLAFVS
CICELYFYKAVCKKFGLHVSRMMLAFLVLSTGMFCSSSAFLPSSFCMYTT
LIAMTGWYMDKTSIAVLGVAAGAILGWPFSAALGLPIAFDLLVMKHRWKS
FFHWSLMALILFLVPVVVIDSYYYGKLVIAPLNIVLYNVFTPHGPDLYGT
EPWYFYLINGFLNFNVAFALALLVLPLTSLMEYLLQRFHVQNLGHPYWLT
LAPMYIWFIIFFIQPHKEERFLFPVYPLICLGAVALSALQKCYHFVFQR
YRLEHYTVTSNWLALGTVFLFGLLSFSRSVALFRGYHGPLDLYPEFYRIA
TDPTIHTVPEGRPVNVCVGKEWYRFPSSFLLPDNWQLQFIPSEFRGQLPK
PFAEGPLATRIVPTDMNDQNLEEPSRYIDISKCHYLVLDLTMRETPREPK
YSSNKEEWISLAYRPFLDASRSSKLLRAFYPFLSDQYTVYVNYTILKPR
KAKQIRKKSGG

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**

ALG9

Full Name

ALG9 alpha-1,2-mannosyltransferase

Introduction

This gene encodes an alpha-1,2-mannosyltransferase enzyme that functions in lipid-linked oligosaccharide assembly. Mutations in this gene result in congenital disorder of glycosylation type II. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

ALG9; CDG1L; DIBD1; GIKANIS; LOH11CR1J; alpha-1,2-mannosyltransferase ALG9; asparagine-linked glycosylation 9 alpha-1,2-mannosyltransferase-like protein; asparagine-linked glycosylation 9 homolog (S. cerevisiae, alpha-1,2-mannosyltransferase); asparagine-linked glycosylation 9 homolog (yeast, alpha-1,2-mannosyltransferase); asparagine-linked glycosylation 9, alpha-1,2-mannosyltransferase homolog; asparagine-linked glycosylation protein 9 homolog; disrupted in bipolar affective disorder 1; disrupted in bipolar disorder protein 1; dol-P-Man dependent alpha-1,2-mannosyltransferase; dol-P-Man:Man(6)GlcNAc(2)-PP-Dol alpha-1,2-mannosyltransferase; dol-P-Man:Man(8)GlcNAc(2)-PP-Dol alpha-1,2-mannosyltransferase; dolichyl-P-Man:Man(6)GlcNAc(2)-PP-dolichol alpha-1,2-mannosyltransferase; dolichyl-P-Man:Man(8)GlcNAc(2)-PP-dolichol alpha-1,2-mannosyltransferase; loss of heterozygosity, 11, chromosomal region 1 gene J product; ALG9 alpha-1,2-mannosyltransferase

Gene ID

[79796](#)

UniProt ID

[Q9H6U8](#)