

Recombinant Full Length Human ALG2 Protein, GST-tagged

Cat. No. ALG2-1432HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ALG2 full-length ORF (NP_149078.1, 1 a.a. - 416 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	416 amino acids
Description	This gene encodes a member of the glycosyltransferase 1 family. The encoded protein acts as an alpha 1,3 mannosyltransferase, mannosylating Man(2)GlcNAc(2)-dolichol diphosphate and Man(1)GlcNAc(2)-dolichol diphosphate to form Man(3)GlcNAc(2)-dolichol diphosphate. Defects in this gene have been associated with congenital disorder of glycosylation type 1h (CDG-Ih). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2008]
Molecular Mass	73.5 kDa
AA Sequence	MAEEQGRERD SVPKPSVLFL HPDLGVGGAE RLVLDAALAL QARGCSVKIW TAHYDPGHCF AESRELPVRC AGDWLPRGLG WGGRGAAVCA YVRMVFLALY VLFLADEEFD VVVCQVVSAC IPVFRLARRR KKILFYCHFP DLLLTKRDSF LKRLYRAPID WIEEYTTGMA DCILVNSQFT AAVFKETFKS LSHIDPDVLY PSLNVTSFDS VVPEKLDDLK PKGKKFLLLS INRYERKKNL TLALEALVQL RGRLTSQDWE RVHLIVAGGY DERVLENVEH YQELKKMVQQ SDLGQYVTFLL RSFSDKQKIS LLHSCTCVLY TPSNEHFGIV PLEAMYMQCP VIAVNSGGPL

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ESIDHSVTGF LCEPDPVHFS EAIEKFIREF SLKATMGLAG RARVKEKFSP
EAFTEQLYRY VTKLLV

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

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

ALG2 asparagine-linked glycosylation 2, alpha-1,3-mannosyltransferase homolog (S. cerevisiae) [Homo sapiens]

Official Symbol

ALG2

Synonyms

ALG2; asparagine-linked glycosylation 2, alpha-1,3-mannosyltransferase homolog (S. cerevisiae); asparagine linked glycosylation 2 homolog (yeast, alpha 1,3 mannosyltransferase); alpha-1,3/1,6-mannosyltransferase ALG2; CDGII; FLJ14511; hALPG2; NET38; homolog of yeast ALG2; alpha-1,3-mannosyltransferase ALG2; asparagine-linked glycosylation protein 2 homolog; GDP-Man:Man(1)GlcNAc(2)-PP-dolichol mannosyltransferase; GDP-Man:Man(1)GlcNAc(2)-PP-Dol alpha-1,3-mannosyltransferase; GDP-Man:Man(2)GlcNAc(2)-PP-Dol alpha-1,6-mannosyltransferase; asparagine-linked glycosylation 2 homolog (yeast, alpha-1,3-mannosyltransferase); asparagine-linked glycosylation 2 homolog (S. cerevisiae, alpha-1,3-mannosyltransferase)

Gene ID

85365

mRNA Refseq

NM_033087

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Protein Refseq NP_149078

MIM 607905

UniProt ID Q9H553

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