

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 VVCDQVSAC IPVFRLARRR KKILFYCHFP DLLLTKRDSF LKRLYRAPID WIEEYTTGMA DCILVNSQFT AAVFKETFKS LSHIDPDVLY PSLNVTSFDS VVPEKLDDL V PKGKKFLLLS INRYERKKNL TLALEALVQL RGRLTSQDWE RVHLIVAGGY DERVLENVEH YQELKKMVQQ SDLGQYVTFL 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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