Recombinant Full Length Human ALG3 Protein, GST-tagged

Cat. No. ALG3-1434HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALG3 full-length ORF (NP_005778.1, 1 a.a. - 438 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	438 amino acids
Description	This gene encodes a member of the ALG3 family. The encoded protein catalyses the addition of the first dol-P-Man derived mannose in an alpha 1,3 linkage to Man5GlcNAc2-PP-Dol. Defects in this gene have been associated with congenital disorder of glycosylation type Id (CDG-Id) characterized by abnormal N-glycosylation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2008]
Molecular Mass	76.5 kDa
AA Sequence	MAAGLRKRGR SGSAAQAEGL CKQWLQRAWQ ERRLLLREPR YTLLVAACLC LAEVGITFWV IHRVAYTEID WKAYMAEVEG VINGTYDYTQ LQGDTGPLVY PAGFVYIFMG LYYATSRGTD IRMAQNIFAV LYLATLLLVF LIYHQTCKVP PFVFFFMCCA SYRVHSIFVL RLFNDPVAMV LLFLSINLLL AQRWGWGCCF FSLAVSVKMN VLLFAPGLLF LLLTQFGFRG ALPKLGICAG LQVVLGLPFL LENPSGYLSR SFDLGRQFLF HWTVNWRFLP EALFLHRAFH LALLTAHLTL LLLFALCRWH RTGESILSLL RDPSKRKVPP QPLTPNQIVS TLFTSNFIGI

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	CFSRSLHYQF YVWYFHTLPY LLWAMPARWL THLLRLLVLG LIELSWNTYP STSCSSAALH ICHAVILLQL WLGPQPFPKS TQHSKKAH
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	ALG3 ALG3, alpha-1,3- mannosyltransferase [Homo sapiens (human)]
Official Symbol	ALG3
Synonyms	ALG3; ALG3, alpha-1,3- mannosyltransferase; not; CDG1D; CDGS4; CDGS6; Not56; NOT56L; D16Ertd36e; dol-P-Man:Man(5)GlcNAc(2)-PP-Dol alpha-1,3-mannosyltransferase; Not56-like protein; asparagine-linked glycosylation 3 homolog (S. cerevisiae, alpha-1,3-mannosyltransferase); asparagine-linked glycosylation 3 homolog (yeast, alpha-1,3-mannosyltransferase); asparagine-linked glycosylation 3, alpha-1,3- mannosyltransferase homolog; asparagine-linked glycosylation protein 3 homolog; carbohydrate deficient glycoprotein syndrome type IV; dol-P-Man-dependent alpha(1-3)-mannosyltransferase; dolichyl-P-Man:Man(5)GlcNAc(2)-PP-dolichyl mannosyltransferase; dolichyl-phosphate-mannose--glycolipid alpha-mannosyltransferase; EC 2.4.1.258
Gene ID	10195
mRNA Refseq	NM_001006941

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Protein Refseq	NP_001006942
MIM	608750
UniProt ID	Q92685

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