

Recombinant Human ALG2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ALG2-6198H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ALG2 MS Standard C13 and N15-labeled recombinant protein (NP_149078) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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-1h). Alternative splicing results in multiple transcript variants.
Molecular Mass	47.1 kDa
AA Sequence	MAEEQGRERDSVPKPSVLFLHPDLGVGGAERLVLDAALALQARGCSVKIWTAHYDP GHCFAESRELPVRCAGDWLPRGLGWGGRGAAVCAYVRMVFLALYVLFLADEEFDV VVCDQVSACIPVFRLLARRRKKILFYCHFPDLLTKRDSFLKRLYRAPIDWIEEYTTGM ADCILVNSQFTAAVFKETFKSLSHIDPDVLYPSLNVTSFDSVVPEKLDDLVPKGKKFLL LSINRYERKKNLTLALEALVQLRGRLTSQDWERVHLIVAGGYDERVLENVEHYQELK KMQVQSDLGQYVTFRLRSFSDKQKISLLHSCTCVLYTPSNEHFGIVPLEAMYMQCPVI AVNSGGPLESIDHSVTGFLCEPDVHFSEAIEKFIREPSLKATMGLAGRARVKEKFSP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	EAFTEQLYRYVTKLLVTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	ALG2 ALG2 alpha-1,3/1,6-mannosyltransferase [Homo sapiens (human)]
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; CDGLi; 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

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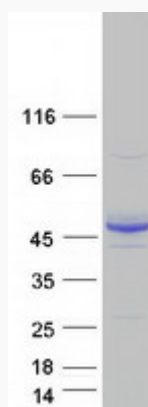
mRNA Refseq [NM_033087](#)

Protein Refseq [NP_149078](#)

MIM [607905](#)

UniProt ID [Q9H553](#)

SDS-PAGE



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