

Recombinant Mouse Alg1 Protein, Myc/DDK-tagged

Cat. No. Alg1-1597M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length asparagine-linked glycosylation 1 (beta-1,4-mannosyltransferase) (Alg1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Participates in the formation of the lipid-linked precursor oligosaccharide for N-glycosylation. Involved in assembling the dolichol-pyrophosphate-GlcNAc2-Man5 intermediate on the cytoplasmic surface of the ER.
Molecular Mass	54.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name [Alg1 asparagine-linked glycosylation 1 \(beta-1,4-mannosyltransferase\) \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Alg1](#)

Synonyms [ALG1](#); asparagine-linked glycosylation 1 homolog (yeast, beta-1,4-mannosyltransferase); chitobiosyldiphosphodolichol beta-mannosyltransferase; beta-1,4 mannosyltransferase; beta-1,4-mannosyltransferase; GDP-Man:GlcNAc2-PP-dolichol mannosyltransferase; asparagine-linked glycosylation protein 1 homolog; GDP-mannose-dolichol diphosphochitobiose mannosyltransferase; HMT1; HMAT1; MGC18946

Gene ID [208211](#)

mRNA Refseq [NM_145362](#)

Protein Refseq [NP_663337](#)

UniProt ID [Q921Q3](#)

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