Product Name: Recombinant Human MGAT2 (C-6His)
Catalog #: PHH1158

Summary

Name	MGAT2/Mannoside acetylglucosaminyltransferase 2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Mannoside Acetylglucosaminyltransferase 2 is produced by our Mammalian expression system and the target gene encoding Arg30-Gln447 is expressed with a 6His tag at the C-terminus.
Accession #	Q10469
Host	Human Cells
Species	Human
Predicted Molecular Mass	49.3 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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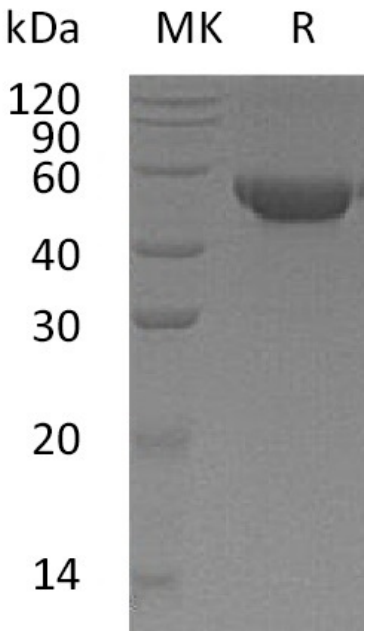

Alternative Names

Alpha-1;6-Mannosyl-Glycoprotein 2-Beta-N-Acetylglucosaminyltransferase; Beta-1;2-N-acetylglucosaminyltransferase II; GlcNAc-T II; NT-II; Mannoside Acetylglucosaminyltransferase 2; N-Glycosyl-Oligosaccharide-Glycoprotein N-Acetylglucosaminyltransferase II; MGAT2

Background

Mannoside Acetylglucosaminyltransferase 2 (MGAT2) is a single-pass type II membrane protein that contains the typical glycosyltransferase domains: a short N-terminal cytoplasmic domain, a hydrophobic non-cleavable signal-anchor domain and a C-terminal catalytic domain. MGAT2 catalyzes an essential step in the conversion of oligo-mannose to complex N-glycans. Defects in MGAT2 are the cause of congenital disorder of glycosylation type 2A.

Note

For Research Use Only , Not for Diagnostic Use.