Recombinant Human MGAT2

Catalog No: C824

Description	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.
Expression System	Human cells
Alternative name	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
Accession No.	Q10469
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM TrisHCl,150mM NaCl, pH8.0 .
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
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.

SDS-PAGE