Recombinant Human MGAT2 Protein (Arg30-Gln447), C-His tagged

Cat. No. MGAT2-3733H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MGAT2 (Arg30-Gln447) fused with the C-terminal His tag was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
ProteinLength	Arg30-Gln447
Description	The product of this gene is a Golgi enzyme catalyzing an essential step in the conversion of oligomannose to complex N-glycans. The enzyme has the typical glycosyltransferase domains: a short N-terminal cytoplasmic domain, a hydrophobic non-cleavable signal-anchor domain, and a C-terminal catalytic domain. Mutations in this gene may lead to carbohydrate-deficient glycoprotein syndrome, type II. The coding region of this gene is intronless. Transcript variants with a spliced 5' UTR may exist, but their biological validity has not been determined.
Form	Lyophilized powder/frozen liquid
Molecular Mass	45.98 kDa
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.

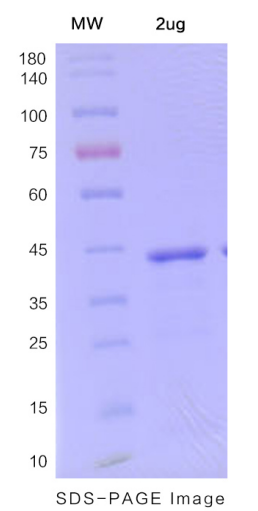
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45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS or lyophilized from PBS.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	MGAT2 alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase [Homo sapiens (human)]
Official Symbol	MGAT2
Synonyms	MGAT2; alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase; GNT2; CDG2A; CDGS2; GNT-II; GLCNACTII; alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase; Beta-1,2-N-acetylglucosaminyltransferase II; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase II; UDP-N-acetylglucosamine:alpha-6-D-mannoside beta-1,2-N-acetylglucosaminyltransferase II; glcNAc-T II; mannoside acetylglucosaminyltransferase 2; mannosyl (alpha-1,6-) -glycoprotein beta-1,2-N-acetylglucosaminyltransferase; EC 2.4.1.143
Gene ID	4247
mRNA Refseq	NM_002408
Protein Refseq	NP_002399

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MIM	602616
UniProt ID	Q10469
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