

## Recombinant Human MGAT2 Protein, His-tagged

Cat. No. MGAT2-001H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MGAT2 Protein (427aa, 30-447aa) with His tag was expressed in insect cells.
<b>Species</b>	Human
<b>Source</b>	Insect cells
<b>ProteinLength</b>	30-447 a.a.
<b>Description</b>	<p>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.</p>
<b>Form</b>	Liquid
<b>Molecular Mass</b>	49.3kDa
<b>Endotoxin</b>	< 1.0 EU per 1 µg of protein (determined by LAL method)
<b>Purity</b>	> 90% by SDS - PAGE

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<b>Applications</b>	SDS-PAGE
<b>Notes</b>	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
<b>Storage</b>	Can be stored at +2 centigrade to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.25 mg/mL (determined by Absorbance at 280nm)
<b>Storage Buffer</b>	In 20mM Tris-HCl (pH 7.5) containing 10% glycerol, 0.15M NaCl, 1mM DTT.

## GENE INFORMATION

<b>Gene Name</b>	MGAT2 mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase [ Homo sapiens (human) ]
<b>Official Symbol</b>	MGAT2
<b>Synonyms</b>	MGAT2; mannosyl (alpha-1,6-)-glycoprotein beta-1,2-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; EC 2.4.1.143
<b>Gene ID</b>	4247
<b>mRNA Refseq</b>	NM_002408

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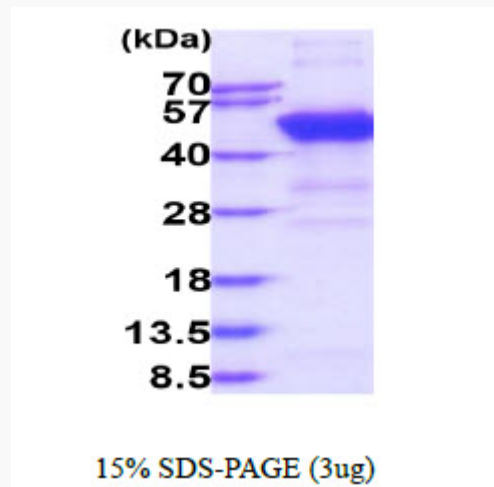
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**Protein Refseq**      NP\_002399

**MIM**                    602616

**UniProt ID**            Q10469

**SDS-PAGE**



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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