

Recombinant Full Length Human MGAT2 Protein, GST-tagged

Cat. No. MGAT2-6206HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MGAT2 full-length ORF (AAH06390, 1 a.a. - 447 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	447 amino acids
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. [provided by RefSeq
Molecular Mass	74.91 kDa
AA Sequence	MRFRIYKRKVLILTLVVAACGFVLWSSNGRQRKNEALAPPLDAEPARGAGGRGGD HPSVAVGIRRVSNVSAASLVPVPQPEADNLTLRYRSLVYQLNFDQTLRNVDKAGT WAPRELVLVVQVHNRPEYLRLLDLSLRKAQGIDNVLVIFSHDFWSTEINQLIAGVNFC PVLQVFFPFISIQLYPNEFPGSDPRDCPRDLPKNAALKLGCINAEYPDSFGHYREAKF SQTKHWWWWKLHFVWERVKILRDYAGLILFLEEDHYLAPDFYHVFKKMWKLKQQE CPECDVLSLGTYSASRSFYGMADKVDVKTWKSTEHNMGLALTRNAYQKLIECTDTF

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CTYDDYNWDWTLQYLTVSCLPKFWKVLVPQIPRIFHAGDCGMHHKKTCTRPSTQSA
QIESLLNNNKQYMFPELTISEKFTVVAISPPRKNGGWGDIRDHELCKSYRRLQ

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

MGAT2 mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase
[Homo sapiens (human)]

Official Symbol

MGAT2

Synonyms

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

Gene ID

4247

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mRNA Refseq	NM_002408
Protein Refseq	NP_002399
MIM	602616
UniProt ID	Q10469

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