

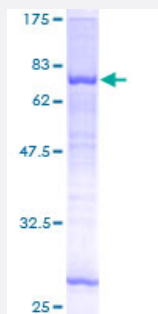
Full-Length

MGAT2 (Human) Recombinant Protein (P01)

Catalog # H00004247-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human MGAT2 full-length ORF (AAH06390, 1 a.a. - 447 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRFRMYKRKVLILTLVVAACGFVLWSSNGRQRKNEALAPPLLDAAEPARGAGGRGGDHPSVAVGIR
RVSNVSAASLVPVPQPEADNLTLYRSLVYQLNFDQTLRNVDKAGTWAPRELVLVVQVHNRPE
YLRLLDSLKAQGIDNVLVIFSHDFWSTEINQLIAGVNFPCVLQVFFPFSIQLYPNEFPGSDPRDC
PRDLPKNAALKLGCINAEYPDSFGHYREAKFSQTKHHWWKLHFVWERVKILRDYAGLILFLEED
HYLAPDFYHVFKKMWKLKQQECPECDVLSLGTYSASRSFYGMADKVDVKTWKSTEHNMGALALT
RNAYQKLECTDTFCTYDDYNWDWTLQYLTVSCLPKFWKVLVPQIPRIFHAGDCGMHHKKTCPRS
TQSAQIESLLNNNKQYMFPELTISEKFTVVAISPPRKNGGWGDIRDHELCKSYRRLQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

74.91

Interspecies Antigen Sequence

Mouse (89); Rat (89)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — MGAT2

Entrez GeneID	4247
GeneBank Accession#	BC006390
Protein Accession#	AAH06390
Gene Name	MGAT2
Gene Alias	CDGS2, GLCNACTII, GNT-II, GNT2
Gene Description	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase
Omim ID	212066 602616
Gene Ontology	Hyperlink
Gene Summary	The product of this gene is a Golgi enzyme catalyzing an essential step in the conversion of oligo mannose 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]
Other Designations	Alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase Beta-1,2-N-acetylglucosaminyltransferase III N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase III UDP-N-acetylglucosamine:alpha-6-D-mannoside beta-1,2-N-acetylgluc

Pathway

- [Metabolic pathways](#)
- [N-Glycan biosynthesis](#)