

Recombinant Full Length Human MGAT3 Protein, GST-tagged

Cat. No. MGAT3-6207HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MGAT3 full-length ORF (AAH75025.1, 1 a.a. - 533 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	533 amino acids
Description	There are believed to be over 100 different glycosyltransferases involved in the synthesis of protein-bound and lipid-bound oligosaccharides. The enzyme encoded by this gene transfers a GlcNAc residue to the beta-linked mannose of the trimannosyl core of N-linked oligosaccharides and produces a bisecting GlcNAc. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]
Molecular Mass	87.7 kDa
AA Sequence	MKMRRYKFLMFCMAGLCLISFLHFFKTL SYVTFPRELASLSPNLVSSFFWNNAPVT PQASPEPGGPDLLRTPLYSHSPLLQLPPSKAAEELHRVDLVLPEDTTEYFVRTKAG GVCFKPGTKMLERPPGRPEEKPEGANGSSARRPPRYLLSARERTGGRGARRKW VECVCLPGWHGPSCGVPTVVQYSNLPTKERLVPREVPRRVINAINVNHEFDLLDVR FHELGDVVDADFVVCESNFTAYGEPRPLKFREMLTNGTFEYIRHKVLYVFLDHFPFGG RQDGWIADDYLRTFLTQDGVSRRLNLRPDDVFIIDDADEIPARDGVFLKLYDGWTE PFAFHMRRKSLYGFFWKQPGTLEVVS GCTVDMLQAVYGLDGIRLRRRQYYTMPNFR

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QYENRTGHILVQWSLGSPLHFAGWHCSWCFTPEGIYFKLVSAQNGDFPRWGDYED
 KRDLNYIRGLIRTGGWFDGTQQEYPPADPSEHMYAPKYLLKNYDRFHYLLDNPYQE
 PRSTAAGGWRHRGPEGRPPARGKLDEAEV

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

MGAT3 mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase [[Homo sapiens](#)]

Official Symbol

[MGAT3](#)

Synonyms

MGAT3; mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase; beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase; GNT III; GlcNAc-T III; N-acetylglucosaminyltransferase III; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase III; GNT3; GNT-III; FLJ43371; MGC141943; MGC142278;

Gene ID

[4248](#)

mRNA Refseq

[NM_001098270](#)

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Protein Refseq	NP_001091740
MIM	604621
UniProt ID	Q09327

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