

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 PQASPEPGPDLLRTPLYSHSPLLQLPPSKAAEELHRVDLVLPEDTTEYFVRTKAG GVCFKPGTKMLERPPPGRPEEKPEGANGSSARRPPRYLLSARERTGGRGARRKW VECVCLPGWHGPGVPTVVQYSNLPTKERLVPREVP RRVINAINVNHEFDLLDVR FHELGDVVD AFVVCESNFTAYGEP RPLKFREMLTNGTFEYIRHKVLYVFLDHFP PGG RQDGWIADDYLRFTLTQDGVSR LRNL RPDDVFIIDDADEIPARDGVFLKLYD GWTE PFAFHMRKSLYGFFWKQPGTLEVVSGCTVDMLQAVYGLDGIRLRRRQYYT MPNFR

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QYENRTGHILVQWSLGSPLHFAGWHCSWCFTPEGIYFKLVSAQNGDFPRWGDYED
 KRDLNYIRGLIRTGGWFDGTQQEYPPADPSEHMYAPKYLLKNYDRFHYLDDNPYQE
 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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