Active Recombinant Human MGAT5 protein, His-tagged

Cat. No. MGAT5-1120H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human MGAT5 protein(NP_002401.1)(Leu 189-Leu 741) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus and a signal peptide at the terminus.
Species	Human
Source	HEK293
ProteinLength	189-741 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to transfer NAcetylαDglucosamine from UDPNAcetylαDglucosamine to a biantennary Nlinked core pentasaccharide in a CD39L3 coupled assay. The specific activity is >10pmoles/min/μg.
Molecular Mass	The recombinant human MGAT5 consists of 564 amino acids and predictes a molecular mass of 65 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh MGAT5 is approximately 60-65 kDa.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 98 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

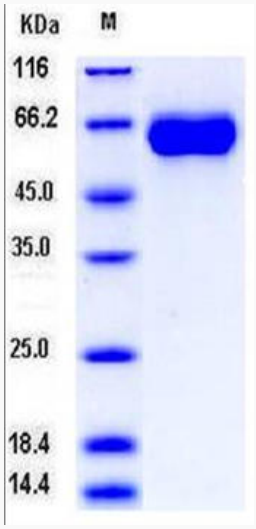
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	aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	MGAT5 mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase [Homo sapiens]
Official Symbol	MGAT5
Synonyms	MGAT5; mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase; alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A; GNT V; glcNAc-T V; N-acetylglucosaminyl-transferase V; mannoside acetylglucosaminyltransferase 5; alpha-mannoside beta-1,6-N-acetylglucosaminyltransferase; GNT-V; GNT-VA; FLJ31899; FLJ43217; DKFZp686B24166;
Gene ID	4249
mRNA Refseq	NM_002410
Protein Refseq	NP_002401
MIM	601774
UniProt ID	Q09328

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SDS-PAGE	

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