

Recombinant Human MGAT3 cell lysate

Cat. No. MGAT3-1087HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

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;

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	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
Protein Refseq	NP_001091740
MIM	604621
UniProt ID	Q09327
Chromosome Location	22q13.1
Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan biosynthesis, organism-specific biosystem; N-Glycan biosynthesis, conserved biosystem; N-glycan antennae elongation in the medial/trans-Golgi, organism-specific biosystem; N-glycan biosynthesis, complex type, organism-specific biosystem;
Function	beta-1,4-mannosylglycoprotein 4-beta-N-acetylglucosaminyltransferase activity; transferase activity, transferring glycosyl groups;

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