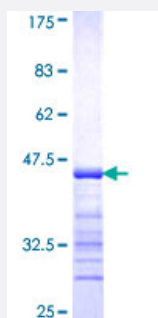


MGAT3 (Human) Recombinant Protein (Q01)

Catalog # H00004248-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human MGAT3 partial ORF (NP_002400, 430 a.a. - 531 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LVSAQNGDFPRWGDYEDKRDNLNYIRGLIRTGGWFDGTQQEYPPADPSEHMYAPKYLLKNYDRFH YLLDNPYQEPRSTAAGGWRHRGPEGRPPARGKLDEAEV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.96
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 — MGAT3

Entrez GeneID	4248
GeneBank Accession#	NM_002409
Protein Accession#	NP_002400
Gene Name	MGAT3
Gene Alias	FLJ43371, GNT-III, GNT3, MGC141943, MGC142278
Gene Description	mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase
Omim ID	604621
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	GlcNAc-T III N-acetylglucosaminyltransferase III N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase III OTTHUMP00000028574 OTTHUMP00000042207 beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase

Pathway

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