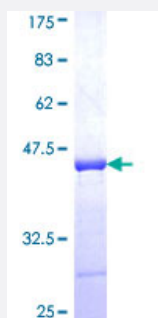


MGAT5 (Human) Recombinant Protein (Q01)

Catalog # H00004249-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MGAT5 partial ORF (NP_002401, 642 a.a. - 739 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LAEPGQSCKQVCQESQLICEPSFFQHLNKDKDMLKYKVTCQSSELAKDILVPSFDPKNKHCVFQ GDLLLFSCAGAHPRHQRVCPCRDFIKGQVALCKD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (93); Rat (92)
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 — MGAT5

Entrez GeneID	4249
GeneBank Accession#	NM_002410
Protein Accession#	NP_002401
Gene Name	MGAT5
Gene Alias	GNT-V, GNT-VA
Gene Description	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase
Omim ID	601774
Gene Ontology	Hyperlink
Gene Summary	This gene encodes mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase , a glycosyltransferase involved in the synthesis of protein-bound and lipid-bound oligosaccharide s. Alterations of the oligosaccharides on cell surface glycoproteins cause significant changes in th e adhesive or migratory behavior of a cell. Increase in the encoded protein's activity may correlate with the progression of invasive malignancies. [provided by RefSeq
Other Designations	N-acetylglucosaminyltransferase V alpha-1,3(6)-mannosylglycoprotein beta-1,6-N-acetyl-glucosa minyltransferase alpha-mannoside beta-1,6-N-acetylglucosaminyltransferase

Pathway

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

Disease

- [Alcoholism](#)
- [Brain Ischemia](#)
- [Conduct Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)
- [Stroke](#)