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Datasheet for ABIN6388196

MGAT2 Protein (AA 30-447) (His tag)

Overview

Quantity:	50 µg
Target:	MGAT2
Protein Characteristics:	AA 30-447
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MGAT2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADPRQRKNEA LAPPLLD AEP ARGAGGRGGD HPSVAVGIRR VSNVSAASLV PAVPQPEADN LTLRYRSLVY QLNFDQTLRN VDKAGTWAPR ELVLVVQVHN RPEYLRLLLD SLRKAQGIDN VLVIFSHDFW STEINQLIAG VNFPCVLQVF FPFISQLYPN EFPGSDPRDC PRDLPKNAAL KLG CINA EYP DSFGHYREAK FSQTKHHWWW KLHFVWERVK ILRDYAGLIL FLEEDHYLAP DFYHVFKKMW KLKQQECPEC DVLSLGTYS A SRSFYGMADK VDVKTWKSTE HNMGLALTRN AYQKLI ECTD TFCYDDYNW DWTLQYLTVS CLPKFWKVLV PQIPRIFHAG DCGMHKKTC RPSTQSAQIE SLLNNNKQYM FPETLTISEK FTVVAISPPR KNGGWGDIRD HELCKSYRRL QH HHHHHH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1µg of protein (determined by LAL method)

Target Details

Target:	MGAT2
Alternative Name:	MGAT2 (MGAT2 Products)
Background:	<p>MGAT2, also known as alpha-1, 6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase, is a single-pass type 2 membrane protein. It has the typical glycosyltransferase domains that composes a short N-terminal cytoplasmic domain, a hydrophobic non-cleavable signal-anchor domain, and a C-terminal catalytic domain. This protein catalyzes an essential step in the conversion of oligo-mannose to complex N-glycans. Sometimes mutations in this gene may lead to carbohydrate-deficient glycoprotein syndrome, type II. Recombinant human MGAT2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	49.3kDa (427aa) 40-57kDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_002399
UniProt:	Q10469

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl (pH 7.5) containing 10 % glycerol, 0.15M NaCl, 1 mM DTT.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.