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Product datasheet for RC213548L2V

MGAT5 (NM_002410) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MGAT5 (NM_002410) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MGAT5
Synonyms:	glcNAc-T V; GNT-V; GNT-VA; MGAT5A
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002410
ORF Size:	2223 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC213548).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_002410.2
RefSeq Size:	5078 bp
RefSeq ORF:	2226 bp
Locus ID:	4249
UniProt ID:	Q09328
Cytogenetics:	2q21.2-q21.3
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis

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MW: 84.4 kDa

Gene Summary: The protein encoded by this gene belongs to the glycosyltransferase family. It catalyzes the addition of beta-1,6-N-acetylglucosamine to the alpha-linked mannose of biantennary N-linked oligosaccharides present on the newly synthesized glycoproteins. It is one of the most important enzymes involved in the regulation of the biosynthesis of glycoprotein oligosaccharides. Alterations of the oligosaccharides on cell surface glycoproteins cause significant changes in the adhesive or migratory behavior of a cell. Increase in the activity of this enzyme has been correlated with the progression of invasive malignancies. [provided by RefSeq, Oct 2011]