

Product datasheet for **MR210677L4V**

Mgat5b (NM_172948) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mgat5b (NM_172948) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mgat5b
Synonyms:	C330018B01; GnT-IX; mGnTVB
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172948
ORF Size:	2376 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210677).
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_172948.3 , NP_766536.2
RefSeq Size:	4277 bp
RefSeq ORF:	2379 bp
Locus ID:	268510
UniProt ID:	Q765H6
Cytogenetics:	11 E2



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Gene Summary:

Glycosyltransferase that acts on alpha-linked mannose of N-glycans and O-mannosyl glycans. Catalyzes the transfer of N-acetylglucosamine (GlcNAc) to the beta 1-6 linkage of the mannose residue of GlcNAc-beta1,2-Man-alpha on both the alpha1,3- and alpha1,6-linked mannose arms in the core structure of N-glycan (By similarity). Also acts on the GlcNAc-beta1,2-Man-alpha1-Ser/Thr moiety, forming a 2,6-branched structure in brain O-mannosyl glycan (PubMed:22715095). Plays an active role in modulating integrin and laminin-dependent adhesion and migration of neuronal cells via its activity in the O-mannosyl glycan pathway.[UniProtKB/Swiss-Prot Function]