Product datasheet for MR209097L3V

Pomgnt2 (NM_153540) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pomgnt2 (NM_153540) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pomgnt2
Synonyms:	Ago61; C85492; Gtdc2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_153540
ORF Size:	1740 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209097).
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_153540.4, NP_705768.4
RefSeq Size:	2369 bp
RefSeq ORF:	1743 bp
Locus ID:	215494
UniProt ID:	Q8BW41
Cytogenetics:	9 F4

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Gene Summary: O-linked mannose beta-1,4-N-acetylglucosaminyltransferase that transfers UDP-N-acetyl-D-glucosamine to the 4-position of the mannose to generate N-acetyl-D-glucosamine-beta-1,4-O-D-mannosylprotein (By similarity). Involved in the biosynthesis of the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity (PubMed:24256719).[UniProtKB/Swiss-Prot Function]