

Product datasheet for **RC203472L3V**

PMM2 (NM_000303) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PMM2 (NM_000303) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PMM2
Synonyms:	CDG1; CDG1a; CDGS; PMI; PMI1; PMM 2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000303
ORF Size:	738 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203472).
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_000303.1
RefSeq Size:	2302 bp
RefSeq ORF:	741 bp
Locus ID:	5373
UniProt ID:	O15305
Cytogenetics:	16p13.2
Domains:	PMM
Protein Families:	Druggable Genome



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Protein Pathways: Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Metabolic pathways

MW: 27.9 kDa

Gene Summary: The protein encoded by this gene catalyzes the isomerization of mannose 6-phosphate to mannose 1-phosphate, which is a precursor to GDP-mannose necessary for the synthesis of dolichol-P-oligosaccharides. Mutations in this gene have been shown to cause defects in glycoprotein biosynthesis, which manifests as carbohydrate-deficient glycoprotein syndrome type I. [provided by RefSeq, Jul 2008]