

## Product datasheet for **MR203867L3V**

### **PPP1R3B (NM\_177741) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	PPP1R3B (NM_177741) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	PPP1R3B
Synonyms:	6430576E21; AW821953; GL; PTG
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_177741
ORF Size:	855 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR203867).
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. <a href="#">More info</a>
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:	<a href="#">NM_177741.3</a>
RefSeq Size:	4229 bp
RefSeq ORF:	855 bp
Locus ID:	244416
UniProt ID:	<a href="#">Q8C767</a>
Cytogenetics:	8 A4



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**Gene Summary:**

Acts as a glycogen-targeting subunit for phosphatase PP1. Facilitates interaction of the PP1 with enzymes of the glycogen metabolism and regulates its activity. Suppresses the rate at which PP1 dephosphorylates (inactivates) glycogen phosphorylase and enhances the rate at which it activates glycogen synthase and therefore limits glycogen breakdown. Its activity is inhibited by PYGL, resulting in inhibition of the glycogen synthase and glycogen phosphorylase phosphatase activities of PP1. Dramatically increases basal and insulin-stimulated glycogen synthesis upon overexpression in hepatocytes (By similarity).  
[UniProtKB/Swiss-Prot Function]