

## Product datasheet for **MR207239L3V**

### **PPP2R2D (NM\_026391) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

<b>Product Type:</b>	Lentiviral Particles
<b>Product Name:</b>	PPP2R2D (NM_026391) Mouse Tagged ORF Clone Lentiviral Particle
<b>Symbol:</b>	PPP2R2D
<b>Synonyms:</b>	1300017E19Rik; D7Ertd753e; MDS026
<b>Mammalian Cell Selection:</b>	Puromycin
<b>Vector:</b>	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
<b>Tag:</b>	Myc-DDK
<b>ACCN:</b>	NM_026391
<b>ORF Size:</b>	1362 bp
<b>ORF Nucleotide Sequence:</b>	The ORF insert of this clone is exactly the same as(MR207239).
<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>RefSeq:</b>	<a href="#">NM_026391.2</a> , <a href="#">NP_080667.1</a>
<b>RefSeq Size:</b>	2079 bp
<b>RefSeq ORF:</b>	1362 bp
<b>Locus ID:</b>	52432
<b>UniProt ID:</b>	<a href="#">Q925E7</a>
<b>Cytogenetics:</b>	7 82.95 cM



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**Gene Summary:**

B regulatory subunit of protein phosphatase 2A (PP2A) that plays a key role in cell cycle by controlling mitosis entry and exit. The activity of PP2A complexes containing PPP2R2D (PR55-delta) fluctuate during the cell cycle: the activity is high in interphase and low in mitosis. During mitosis, activity of PP2A is inhibited via interaction with phosphorylated ENSA and ARPP19 inhibitors. Within the PP2A complexes, the B regulatory subunits modulate substrate selectivity and catalytic activity, and also may direct the localization of the catalytic enzyme to a particular subcellular compartment (By similarity).[UniProtKB/Swiss-Prot Function]