

## Product datasheet for **RC205263L4V**

### Protein phosphatase inhibitor 1 (PPP1R1A) (NM\_006741) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Protein phosphatase inhibitor 1 (PPP1R1A) (NM_006741) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Protein phosphatase inhibitor 1
Synonyms:	I1; IPP1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006741
ORF Size:	513 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205263).
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_006741.2</a> , <a href="#">NP_006732.2</a>
RefSeq Size:	1849 bp
RefSeq ORF:	516 bp
Locus ID:	5502
UniProt ID:	<a href="#">Q13522</a>
Cytogenetics:	12q13.2
Protein Families:	Druggable Genome



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**Protein Pathways:** Long-term potentiation

**MW:** 18.9 kDa

**Gene Summary:** Inhibitor of protein-phosphatase 1. This protein may be important in hormonal control of glycogen metabolism. Hormones that elevate intracellular cAMP increase I-1 activity in many tissues. I-1 activation may impose cAMP control over proteins that are not directly phosphorylated by PKA. Following a rise in intracellular calcium, I-1 is inactivated by calcineurin (or PP2B). Does not inhibit type-2 phosphatases.[UniProtKB/Swiss-Prot Function]