

## Product datasheet for **RC230117L4V**

### PPP2R2A (NM\_001177591) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

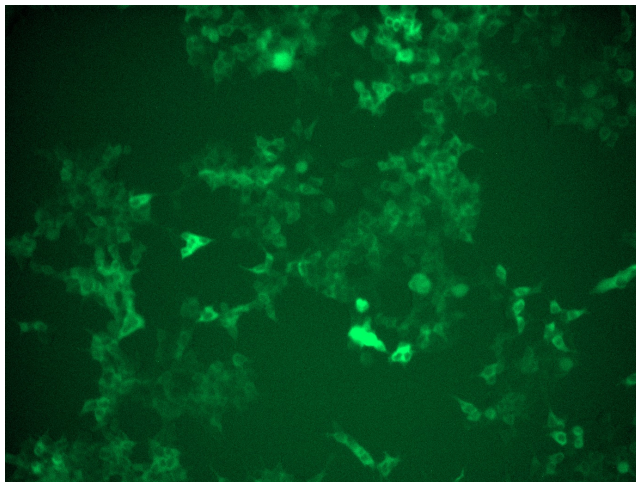
Product Type:	Lentiviral Particles
Product Name:	PPP2R2A (NM_001177591) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PPP2R2A
Synonyms:	B55A; B55ALPHA; PR52A; PR55A; PR55alpha
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001177591
ORF Size:	1371 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC230117).
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_001177591.1</a>
RefSeq ORF:	1374 bp
Locus ID:	5520
UniProt ID:	<a href="#">P63151</a>
Cytogenetics:	8p21.2
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Tight junction
MW:	53.4 kDa



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**Gene Summary:**

The product of this gene belongs to the phosphatase 2 regulatory subunit B family. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes an alpha isoform of the regulatory subunit B55 subfamily. Alternatively spliced transcript variants have been described. [provided by RefSeq, Apr 2010]

**Product images:**

[RC230117L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC230117L4V particle to overexpress human PPP2R2A-mGFP fusion protein.