

Product datasheet for **MR204384L4V**

PPP2CA (NM_019411) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

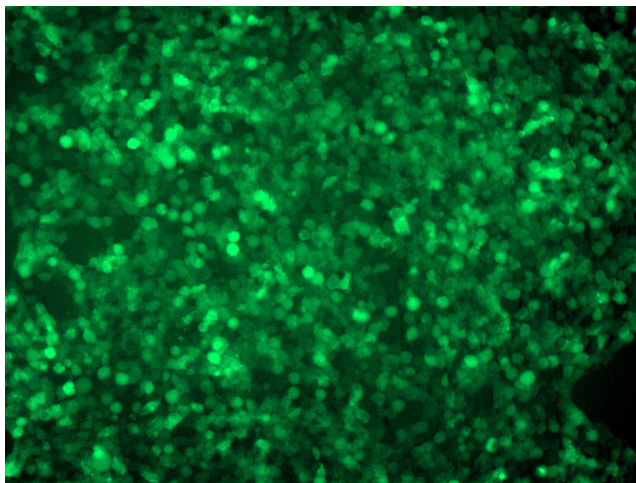
Product Type:	Lentiviral Particles
Product Name:	PPP2CA (NM_019411) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	PPP2CA
Synonyms:	PP2A; R75353
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019411
ORF Size:	927 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204384).
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_019411.4 , NP_062284.1
RefSeq Size:	1930 bp
RefSeq ORF:	930 bp
Locus ID:	19052
UniProt ID:	P63330
Cytogenetics:	11 B1.3



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Gene Summary:

PP2A is the major phosphatase for microtubule-associated proteins (MAPs). PP2A can modulate the activity of phosphorylase B kinase casein kinase 2, mitogen-stimulated S6 kinase, and MAP-2 kinase. Cooperates with SGO2 to protect centromeric cohesin from separase-mediated cleavage in oocytes specifically during meiosis I. Activates RAF1 by dephosphorylating it at 'Ser-259' (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:

[MR204384L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR204384L4V particle to overexpress human Ppp2ca-mGFP fusion protein.