Product datasheet for RC213685L4V

PPM1G (NM_177983) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PPM1G (NM_177983) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PPM1G
Synonyms:	PP2CG; PP2CGAMMA; PPP2CG
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_177983
ORF Size:	1638 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213685).
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_177983.1
RefSeq Size:	2302 bp
RefSeq ORF:	1641 bp
Locus ID:	5496
UniProt ID:	O15355
Cytogenetics:	2p23.3
Protein Families:	Druggable Genome, Phosphatase
MW:	59.3 kDa

Gene Summary:

The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase is found to be responsible for the dephosphorylation of Pre-mRNA splicing factors, which is important for the formation of functional spliceosome. Studies of a similar gene in mice suggested a role of this phosphatase in regulating cell cycle progression. [provided by RefSeq, Apr 2010]