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Product datasheet for MR209290L3V

Ppm1d (NM_016910) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ppm1d (NM_016910) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ppm1d
Synonyms:	AV338790; Wip1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_016910
ORF Size:	1794 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209290).
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_016910.3
RefSeq Size:	2911 bp
RefSeq ORF:	1797 bp
Locus ID:	53892
UniProt ID:	Q9QZ67
Cytogenetics:	11 51.34 cM

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Gene Summary: Involved in the negative regulation of p53 expression. Required for the relief of p53-dependent checkpoint mediated cell cycle arrest. Binds to and dephosphorylates 'Ser-15' of TP53 and 'Ser-345' of CHEK1 which contributes to the functional inactivation of these proteins. Mediates MAPK14 dephosphorylation and inactivation (By similarity). Is also an important regulator of global heterochromatin silencing and critical in maintaining genome integrity (PubMed:24135283).[UniProtKB/Swiss-Prot Function]