

Product datasheet for **MR221794L4V**

Ptpr (NM_001161839) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ptpr (NM_001161839) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ptpr
Synonyms:	Gmcp1; mPTP213; PTP-SL; PTPBR7; RPTPRR
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001161839
ORF Size:	1968 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221794).
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_001161839.1
RefSeq Size:	2508 bp
RefSeq ORF:	1239 bp
Locus ID:	19279
UniProt ID:	Q62132
Cytogenetics:	10 D2



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Gene Summary:

Sequesters mitogen-activated protein kinases (MAPKs) such as MAPK1, MAPK3 and MAPK14 in the cytoplasm in an inactive form. The MAPKs bind to a dephosphorylated kinase interacting motif, phosphorylation of which by the protein kinase A complex releases the MAPKs for activation and translocation into the nucleus. Isoform gamma may have a role in patterning and cellular proliferation of skeletal elements in the precartilaginous/cartilaginous skeleton.[UniProtKB/Swiss-Prot Function]