

Product datasheet for **MR221802L4V**

Ptpre (NM_011212) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ptpre (NM_011212) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ptpre
Synonyms:	PTPe; PTPepsilon; RPTPepsilon
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011212
ORF Size:	2097 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221802).
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_011212.3 , NP_035342.3
RefSeq Size:	5411 bp
RefSeq ORF:	2100 bp
Locus ID:	19267
UniProt ID:	P49446
Cytogenetics:	7 81.27 cM



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Gene Summary:

Isoform 1 acts as a negative regulator of insulin receptor (IR) signaling and is involved in insulin-induced glucose metabolism mainly through direct dephosphorylation and inactivation of IR in hepatocytes and liver (By similarity). Plays a critical role in signaling transduction pathways and phosphoprotein network topology in red blood cells. May play a role in osteoclast formation and function.[UniProtKB/Swiss-Prot Function]