

Product datasheet for **MR226249L4V**

Ptpa (NM_008980) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ptpa (NM_008980) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ptpa
Synonyms:	Ptpa; Ptpalpha; Rptalpha; Rptpa; Rptalpha
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008980
ORF Size:	2487 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226249).
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_008980.2 , NP_033006.2
RefSeq Size:	3609 bp
RefSeq ORF:	2490 bp
Locus ID:	19262
UniProt ID:	P18052
Cytogenetics:	2 63.23 cM



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Gene Summary:

Tyrosine protein phosphatase which is involved in integrin-mediated focal adhesion formation (PubMed:22801373). Following integrin engagement, specifically recruits BCAR3, BCAR1 and CRK to focal adhesions thereby promoting SRC-mediated phosphorylation of BRAC1 and the subsequent activation of PAK and small GTPase RAC1 and CDC42 (PubMed:22801373).[UniProtKB/Swiss-Prot Function]