

Product datasheet for **MR227066L4V**

Ptpn6 (NM_001077705) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ptpn6 (NM_001077705) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ptpn6
Synonyms:	70Z-SHP; hcp; Hcph; me; Ptp1C; PTPTY-42; SH-PTP1; SHP-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001077705
ORF Size:	1791 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227066).
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_001077705.1
RefSeq Size:	2222 bp
RefSeq ORF:	1794 bp
Locus ID:	15170
UniProt ID:	P29351
Cytogenetics:	6 59.17 cM



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Gene Summary:

Modulates signaling by tyrosine phosphorylated cell surface receptors such as KIT and the EGF receptor/EGFR. The SH2 regions may interact with other cellular components to modulate its own phosphatase activity against interacting substrates. Together with MTUS1, induces UBE2V2 expression upon angiotensin II stimulation. Plays a key role in hematopoiesis.[UniProtKB/Swiss-Prot Function]