

## Product datasheet for **MR225515L4V**

### **Ptpn11 (NM\_001109992) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Ptpn11 (NM_001109992) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ptpn11
Synonyms:	2700084A17Rik; AW536184; PTP1D; PTP2C; SAP-2; SH-PTP2; SH-PTP3; SHP-2; Shp2; Syp
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001109992
ORF Size:	1779 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225515).
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. <a href="#">More info</a>
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:	<a href="#">NM_001109992.1</a> , <a href="#">NP_001103462.1</a>
RefSeq Size:	5616 bp
RefSeq ORF:	1782 bp
Locus ID:	19247
UniProt ID:	<a href="#">P35235</a>
Cytogenetics:	5 F



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**Gene Summary:**

Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus. Positively regulates MAPK signal transduction pathway. Dephosphorylates GAB1, ARHGAP35 and EGFR. Dephosphorylates ROCK2 at 'Tyr-722' resulting in stimulation of its RhoA binding activity. Dephosphorylates CDC73.[UniProtKB/Swiss-Prot Function]