

## Product datasheet for **MR227276L3V**

### **Ptprc (NM\_001111316) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Ptprc (NM_001111316) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ptprc
Synonyms:	B220; Cd45; CD45R; L-CA; loc; Ly-5; Lyt-4; T200
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001111316
ORF Size:	3879 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227276).
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_001111316.2</a> , <a href="#">NP_001104786.2</a>
RefSeq Size:	5664 bp
RefSeq ORF:	3882 bp
Locus ID:	19264
UniProt ID:	<a href="#">P06800</a>
Cytogenetics:	1 60.73 cM



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**Gene Summary:**

Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN (By similarity). Dephosphorylates LYN, and thereby modulates LYN activity. [UniProtKB/Swiss-Prot Function]