

## Product datasheet for **MR222223L4V**

### **Ptpn14 (NM\_008976) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Ptpn14 (NM_008976) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ptpn14
Synonyms:	C130080N23Rik; OTTMUSG00000022087; PTP36
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008976
ORF Size:	3567 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222223).
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_008976.2</a> , <a href="#">NP_033002.2</a>
RefSeq Size:	10766 bp
RefSeq ORF:	3570 bp
Locus ID:	19250
UniProt ID:	<a href="#">Q62130</a>
Cytogenetics:	1 95.03 cM



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**Gene Summary:**

Protein tyrosine phosphatase which may play a role in the regulation of lymphangiogenesis, cell-cell adhesion, cell-matrix adhesion, cell migration, cell growth and also regulates TGF-beta gene expression, thereby modulating epithelial-mesenchymal transition. Mediates beta-catenin dephosphorylation at adhesion junctions. Acts as a negative regulator of the oncogenic property of YAP, a downstream target of the hippo pathway, in a cell density-dependent manner. May function as a tumor suppressor.[UniProtKB/Swiss-Prot Function]