

## Product datasheet for **RC222592L2V**

### PTP alpha (PTPRA) (NM\_002836) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PTP alpha (PTPRA) (NM_002836) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PTP alpha
Synonyms:	HEPTP; HLPR; HPTPA; HPTPalpha; LRP; PTPA; PTPRL2; R-PTP-alpha; RPTPA
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002836
ORF Size:	2406 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222592).
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_002836.2</a> , <a href="#">NP_002827.1</a>
RefSeq Size:	3643 bp
RefSeq ORF:	2409 bp
Locus ID:	5786
UniProt ID:	<a href="#">P18433</a>
Cytogenetics:	20p13
Domains:	Y_phosphatase, PTPc_motif
Protein Families:	Druggable Genome, Phosphatase, Transmembrane



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MW: 90.72 kDa

**Gene Summary:** The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. This PTP has been shown to dephosphorylate and activate Src family tyrosine kinases, and is implicated in the regulation of integrin signaling, cell adhesion and proliferation. Three alternatively spliced variants of this gene, which encode two distinct isoforms, have been reported. [provided by RefSeq, Jul 2008]