

Product datasheet for **RC222945L4V**

PTPN20A (NM_001042393) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PTPN20A (NM_001042393) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PTPN20A
Synonyms:	bA142I17.1; CT126; hPTPN20; PTPN20B
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001042393
ORF Size:	651 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222945).
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_001042393.1 , NP_001035852.1
RefSeq Size:	2319 bp
RefSeq ORF:	653 bp
Locus ID:	653129
Cytogenetics:	10q11.22
Protein Families:	Druggable Genome
MW:	24.7 kDa



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Gene Summary:

The product of this gene belongs to the family of classical tyrosine-specific protein tyrosine phosphatases. Many protein tyrosine phosphatases have been shown to regulate fundamental cellular processes and several are mutated in human diseases. Chromosome 10q contains a segmental duplication resulting in multiple copies of the protein tyrosine phosphatase, non-receptor type 20 gene. The two nearly identical copies are designated as PTPN20A and PTPN20B. A third copy is only partially duplicated and contains a pseudogene, designated as PTPN20C. This gene encodes the more centromeric copy, PTPN20A. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]