

Product datasheet for **RC231413L4V**

PTPN22 (NM_001193431) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PTPN22 (NM_001193431) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PTPN22
Synonyms:	LYP; LYP1; LYP2; PEP; PTPN8; PTPN22.5; PTPN22.6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001193431
ORF Size:	2337 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC231413).
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_001193431.1
RefSeq ORF:	2340 bp
Locus ID:	26191
UniProt ID:	Q9Y2R2
Cytogenetics:	1p13.2
Protein Families:	Druggable Genome, Phosphatase
MW:	89.1 kDa



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Gene Summary:

This gene encodes of member of the non-receptor class 4 subfamily of the protein-tyrosine phosphatase family. The encoded protein is a lymphoid-specific intracellular phosphatase that associates with the molecular adapter protein CBL and may be involved in regulating CBL function in the T-cell receptor signaling pathway. Mutations in this gene may be associated with a range of autoimmune disorders including Type 1 Diabetes, rheumatoid arthritis, systemic lupus erythematosus and Graves' disease. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Mar 2009]