

Product datasheet for **RC211010L2V**

PTPD2 (PTPN14) (NM_005401) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PTPD2 (PTPN14) (NM_005401) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PTPD2
Synonyms:	CATLPH; PEZ; PTP36; PTPD2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_005401
ORF Size:	3561 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211010).
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_005401.3
RefSeq Size:	13443 bp
RefSeq ORF:	3564 bp
Locus ID:	5784
UniProt ID:	Q15678
Cytogenetics:	1q32.3-q41
Protein Families:	Druggable Genome
MW:	135.3 kDa



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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 N-terminal noncatalytic domain similar to that of band 4.1 superfamily cytoskeleton-associated proteins, which suggested the membrane or cytoskeleton localization of this protein. It appears to regulate lymphatic development in mammals, and a loss of function mutation has been found in a kindred with a lymphedema-choanal atresia. [provided by RefSeq, Sep 2010]