

Product datasheet for **SC120547**

PTPRD (NM_130391) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTPRD (NM_130391) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTPRD
Synonyms:	HPTP; HPTPD; HPTPDELTA; PTPD; R-PTP-delta; RPTPDELTA
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_130391, the custom clone sequence may differ by one or more nucleotides

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ATGGTGCACGTAGCCAGGCTGCTGCTGCTGCTCCTCACTTTCTTCTCCGCACGGATGCTGAGACACCTC
CAAGGTTTACACGAACACCCGTTGATCAGACAGGGTCTCTGGCGGAGTTGCCTCTTTCATCTGCCAAGC
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CGAATTACCATTGAGCCAGGGACATCATATAGGCTGCAAGGACTGAAACCAAACAGCTTATACTATTTCC
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CATAACGCTAAGCATTGTTTTGGAAAGAATGAGATATGAAGGAGTTGTAGATATCTTCCAGACTGTCAA
ATGTTAAGAACAACAACGACCAGCTATGGTACAGACAGAGGATCAATATCAGTTTTCTATCGTGCCGCAC
TAGAGTACCTGGGCAGCTTTGACCACTATGCAACGTAG

Restriction Sites:

NotI-NotI

ACCN:

NM_130391

Insert Size:

2940 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

RefSeq: [NM_130391.1](#), [NP_569075.1](#)

RefSeq Size: 8266 bp

RefSeq ORF: 5700 bp

Locus ID: 5789

UniProt ID: [P23468](#)

Domains: Y_phosphatase, ig, PTPc_motif, IGc2, IG, FN3

Protein Families: Druggable Genome, Phosphatase, Transmembrane

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 region, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region of this protein is composed of three Ig-like and eight fibronectin type III-like domains. Studies of the similar genes in chicken and fly suggest the role of this PTP is in promoting neurite growth, and regulating neurons axon guidance. Multiple alternatively spliced transcript variants of this gene have been reported. A related pseudogene has been identified on chromosome 5. [provided by RefSeq, Jan 2010]
Transcript Variant: This variant (2) has multiple differences in the coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1. The 5' UTR of this variant is incomplete because no 5' complete transcripts representing this variant exist, and there are alternate splicing choices in the upstream region. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.