

Product datasheet for **SC213572**

PTPRS (NM_130854) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: PTPRS (NM_130854) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: PTPRS
Synonyms: PTPSIGMA; R-PTP-S; R-PTP-sigma
ACCN: NM_130854
Insert Size: 1296 bp
Insert Sequence: >SC213572 3'UTR clone of NM_130854

The sequence shown below is from the reference sequence of NM_130854. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTCGGAAGCTTTGACCACTATGCAACCTTAAGCCATGGTCCCCCAGGCCCGACACCCTGGCCCCGG
ATGCCTCTGCCCTCCCGGGCGGACCTCCTGAGGCCTGGACCCCCAGTGGGCAGGCAGGAGGTGGCAG
CGGCAGCAGCTGTGTTTCTGCACCAATTTCCGAGGACGACGACGCCCTCGAGCCCCCACCAGGCCCG
GCCGCCCAGCGACCTCCTGGCACCGCCGCCCTTCAAATACTTGGCACATTCTCCTTTCTTCC
AATTCCAAAACCAGATTCGGGGTGGGGGTGGGGGATGGTGAGCAAATAGGAGTGCTCCCAAGAAC
AGAGGAGGGTGGGCACAGACCATAGACGGACCCCTCGTCTCCCAAGCGGTGGTAGGGGACCCGGG
GGGCTCTCCCGCTCTGCAGCCTGGGGACACTGGGCTGGGACCAGAATCCAGCTTTCTTTAAACTC
TCAGTGAAGTATCCCGTGACATTTCAATTTTTTAAATAGTGTATTTTTTTTCCATTTTTTTTT
TAAGAGAAACAAAAGACTCGCCAGTCAATGACTTTCAAAGAGAACTAATTTGGCTTATTCATAT
TCTGTTCAAAGACAGTCTATTTTTTCACTGTAGAAAGCGTCTTGTGTGATAGTTACGTTGCAACGC
GCACGCCAGGCCATGGCTGTACCTTGGCTTTTTTTTTTTTTTTTTTTTTTAAATTTTCTACCATC
AGAAAGTGTGCTTTGCTCACAGAAGAATGGGATGTCTTTTTTCTTCTGGCTTTTTTTTTCCCCCTT
TTTGTTCATTTTATAAATTAATTTTTCAGACATATCAAATACAGTTCTGAGGGTAAGGTCATGGGGG
AGCTCGGACCCAGTGGCGTTGGGTGCGGTTGAGGGGACGCTGTGTAAGAGGAGAGAGATGACAGTGG
TCCTCCTCTGAGAGCCTGAGCTGTCTCCCGTCTCCCGCCCCAAGGAGACAGAGAGGATCCTACTTCT
TCGGGGACAGTGGCTGTATGGCTGTGCTGCCCCACATCAGGGACCCCTTCCCTGGGACTGTGGGGCA
GTTTGGGAGCAAAACCAGAAGGACAGGCCCCCTCTACCCGCCTACCCTGAGCAAGCGAGTTGTTCTC
TTTGTACAAGGGCAGGTCTGCGGTTACTTTCAACTGTTTATTCCAGCGGAAGCAGCCGGTGGTTTT
CCACCCCGTGTATGTAGATATATCGACTTTGTATTAAGGAAGATCGTCTGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_130854.3</u>
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 multiple Ig-like and fibronectin type III-like domains. Studies of the similar gene in mice suggested that this PTP may be involved in cell-cell interaction, primary axonogenesis, and axon guidance during embryogenesis. This PTP has been also implicated in the molecular control of adult nerve repair. Four alternatively spliced transcript variants, which encode distinct proteins, have been reported. [provided by RefSeq, Jul 2008]
Locus ID:	5802
MW:	48