

## Product datasheet for SC213574

### PTPRS (NM\_130855) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** PTPRS (NM\_130855) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PTPRS  
**Synonyms:** PTPSIGMA; R-PTP-S; R-PTP-sigma  
**ACCN:** NM\_130855  
**Insert Size:** 1296 bp  
**Insert Sequence:** >SC213574 3'UTR clone of NM\_130855  
 The sequence shown below is from the reference sequence of NM\_130855. 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
CTCGGAAGCTTTGACCACTATGCAACCTAAGCCATGGTCCCCCAGGCCCGACACCCTGGCCCCGG
ATGCCTCTGCCCTCCCGGGCGGACCTCCTGAGGCCTGGACCCCCAGTGGGCAGGCAGGAGGTGGCAG
CGGCAGCAGCTGTGTTTCTGCACCAATTTCCGAGGACGACGACGCCCTCGAGCCCCCACCAGGCCCG
GCCGCCCAGCGACCTCCTGGCACCGGCCCGCCTTCAAATACTTGGCACATTCTCCTTTCTTCC
AATTCCAAAACCAGATTCGGGGTGGGGGTGGGGGATGGTGAGCAAATAGGAGTGTCCCCAGAACC
AGAGGAGGGTGGGGCACAGACCATAGACGGACCCCTCGTCTCCCCAGCGGTGGTAGGGGGACCCGGG
GGGCTCTCCCGCTCTGCAGCCTGGGGACACTGGGCTGGGACCAGAATCCAGCTTTCTTTAAACTC
TCAGTGAAGTATCCCGTGACATTTCAATTTTTTAAATAGTGTATTTTTTTTCCATTTTTTTTT
TAAGAGAAACAAAAGACTCGCCAGTCAATGACTTTCAAAGAGAACTAATTTGGCTTATTCATAT
TCTGTTCAAAGACAGTCTATTTTTTCACTGTAGAAAGCGTCTTGTGTGATAGTTACGTTGCAACGC
GCACGCCAGGCCATGGCTGTACCTTGGCTTTTTTTTTTTTTTTTTTTTTTAAATTTTCTACCATC
AGAAAGTGTGCTTTGCTCACAGAAGAATGGGATGTCTTTTTTCTTCTTGGCTTTTTTTTTCCCCCTT
TTTGTTTCATTTTATAAATTAATTTTTCAGACATATCAAATACAGTTCTGAGGGTAAGGTCATGGGGG
AGCTCGGACCCAGTGGCGTTGGGTGCGGTTGAGGGGGACGCTGTGTAAGAGGAGAGAGATGACAGTGG
TCCTCCTCTGAGAGCCTGAGCTGTCTCCCGTCTCCCGCCCCAAGGAGACAGAGAGGATCCTACTTCT
TCGGGGACAGTGGCTGTATGGCTGTGCTGCCCCACATCAGGGACCCCTTCCCCCTGGGACTGTGGGGCA
GTTTGGGAGCAAAACCAGAAGGACAGGCCCCCTCTACCCGCCTACCCTGAGCAAGCGAGTTGTTCTC
TTTGTACAAGGGCAGGTCTGCGGTTACTTTCAACTGTTTATTCCAGCGGAAGCAGCCGGTGGTTTT
CCACCCCGTGTATGTAGATATATCGACTTTGTATTAAGGAAGATCGTCTGA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_130855.3</a></u>
<b>Summary:</b>	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]
<b>Locus ID:</b>	5802
<b>MW:</b>	48