

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
Symbol:	PTPRS
Synonyms:	PTPSIGMA; R-PTP-S; R-PTP-sigma
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_130855
Insert Size:	1296 bp



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Insert Sequence:	<p>>SC213574 3'UTR clone of NM_130855</p> <p>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.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CTCGGAAGCTTTGACCACTATGCAACCTAAGCCATGGTTCCTCCAGGCCGACACCACTGGCCCCGG ATGCTCTGCCCCCTCCCGGGCGGACCTCCTGAGGCCTGGACCCCAAGTGGGCAGGGCAGGAGGTGGCAG CGGCAGCAGCTGTGTTTCTGCACCATTTCCGAGGACGACGACGCCCTCGAGCCCCCACCAGGCCCG GCCGCCCAGCGACCTCCCTGGCACCAGGCCGCCCTTCAAATACTTGGCACATTCTCTTTCTTCC AATTCCAAAACCAGATTCGCGGGTGGGGGTGGGGGATGGTGAGCAAATAGGAGTGCTCCCAGAAC AGAGGAGGTGGGCACAGACCATAGACGACCCCTCGTCTCCCCAGCGGTGGTAGGGGACCCGGG GGGCTCTCCCCGCTCTGCAGCCTGGGACACTGGGCTGGGACCAGAATCCAGCTTCTTTTAAACTC TCAGTGAACGTATCCCGTGACATTTATTTTTTTTAAATAGTGATTTTTTTTTTCCATTTTTTTTTT TAAGAGAAACAAACAAAAGACTCGCCAGTCAATGACTTTCAAAGAGAACTAATTTGGCTTATTCATAT TCTGTTCAAAGACAGTCTATTTTTTCACTGTAGAAAGCGTCTTGTGTAGATTACGTTTCGAAACGC GCACGCCAGGCCCATGGCTGTACCTTGGCTTTTTTTTTTTTTTTTTTTTTTAAATTTTCTACCATC AGAAAGTGTGCTTGTACAGAGAATGGGATGTCTTTTTTCTTCTTGGCTTTTTTTTTTCCCTT TTTGTTCATTTTATAAATTAATTTTCAACATATCAAATACAGTTCTGAGGGTAAGGTCATGGGG AGCTCGGACCCAGTGGCGTTGGGTGCGGTTGAGGGGACGCTGCTGAAGAGGAGAGAGATGACAGTGG TCCTCCTCTGAGAGCCTGAGCTGTCTCCCGCTCTCCGCCCAAGGAGACAGAGAGGATCCTACTTCT TCGGGGACAGTGGCTGTATGGCTGTGCTGCCCCACATCAGGGACCCTTTCCCCCTGGGACTGTGGGCA GTTTGGGAGCAAACAGAGAAGGACAGGCCCCCTCTACCCGCTACCCTGAGCAAGCGAGTTGTTCTCTC TTTGTAAGGGCAGGTCTGCGTTACTTTCAACACTGTTTATTCCAGCGGAAGCAGCCGGTGTTTTT CCCACCCCGTGTATGTAGATATATCGACTTTGTATTAAAGGAAGATCGTCTGA ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre>
Restriction Sites:	Sgfl-MluI
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_130855.3</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