

Product datasheet for **SC215495**

PTPN7 (NM_002832) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PTPN7 (NM_002832) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PTPN7
Synonyms:	BPTP-4; HEPTP; LC-PTP; LPTP; PTPNI
ACCN:	NM_002832
Insert Size:	1620 bp



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Insert Sequence:	<p>>SC215495 3'UTR clone of NM_002832 The sequence shown below is from the reference sequence of NM_002832. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GGCCAGCTGCCTGAGGAACCCAGCCCCTGACCCCTGCCACCCCTCCGGTGGCCAGGTGCCTACCTCCCT CAAGCCTGGGAAGGTGGGTCTGGGGAAAGTGGGCCGAGTGATCTGGGGTACCCCTTGGGTTGGTGTGG GGAAGGAGTGCCTCCTTAGTGGTCTTGCAGTCACAGGAAGCAGCAGCAGTAAGGACAAGGGGCCGGAT TCCAGGTCTTCAACTGGCCACTCCTCTGCTTCTCTGTTGGCCCCAGATGGACAGTAAGGGAAACCT CCAATGTCTCTGAACTTAAAGACAGGAGCTGGCATTATGACAGACAAAGAAAGGCCAGGTGTC CTGGTGTCTCTGAGACTCTTTGTGAGCTTCAGTTTCTGTTCTATAACATGAACATAAGTGCTTAG CTGCCATGAGGGAAAAGTAATGAGAGAAGTTTCTAGAAGCCACTCCAGCCACTCCTTCTGGGGCTGAC AAAAGGTGATTCCAAGATCATCTTCACCCGAGGTCTGCCAAGCACAGGCCAGATGCAAGAATGGG GAAAAGTCTGGTCTGATCTCCAAGTCTCAACATCCTATCAGTACTCTGCTCCCTGACCACACATCGG AAGGGCTGGATGACCCCAATCAAAGAAAGAACAGGACTCTGGTTACCCCTTGCCTCCACCCATGTGTC ATAAGAGTAGGCTACAGAGGTGACCAGGCTGGCAGTTGAAATCTCTGGAAGAGGGAAACATGTGGGGAC TACTCAGAGGCAAAGAGGAGTCTCCTGCCTCCATGGTTGCTGGCCACTCCCACCACTACTCTTAGG GAGGCTAAGCAGTCTCTGTTTTGCTTCCATGGCTCAAATAATACCCTGGGTATGCAGGACCCACTATAC CTTGCAATTTGCTGAGTACACCTAGAGAGCTTGGCTGTTTTCAAAAACAATCAGGGTCATAACCATCCAT GCAGACATGGAGGCTCGGCTGAACCAGGACTCCTCACTGTCTACCTGAGAGAATGAGCACCCCTCATCC ATCTCAGCATCAACACAATTTCCAGGGGACTCAGGTCTACCTCAGGACTGAACGCCACCTCAGGAT TCCTCCTCCTTGAATCTGAGACTGGCTGCCATTCTGAGATGGGGATGAAGGTAAGATGCCGCATCACC AGGCACGCCGCCCTGACAGCTGCCTTGATACCAGCTCTCTGTGAAACCCCGAGGAGTTGGATCTGG AGAACAGCTGGGCTCCTCACTCAGGACTTCTCTCCTGAAGAACACGCAGTGCTAAAAGTGGGATGAT TTCCCTAATGCTTCTGCTTGGCCTTATGGAGGAGCTGCTCCTTCTTACAGCCTTGGGGATGGACTTGC CCACACCTCCACCTCCCCTGAGCCCTGTGAGAGGCACGACTGTCTATGCCAATGAGGCTCGGTGGGGG CTCTCAAGTGCCTGATCCTGCCCTGGGCTCAGAGCCAGCCAGAGGGAAGCAACTGCACAGCCCCACAG GCCCTCCCTGGCACTGTCCCCCAACCCATCTCAGAGCTCAGAGGTTACAAGCTCCAGAACAGTAACC AAGTGGGAAAATAAAGACTTCTTGGATGACTGA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA 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:	NM_002832.4

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 gene is preferentially expressed in a variety of hematopoietic cells, and is an early response gene in lymphokine stimulated cells. The non-catalytic N-terminus of this PTP can interact with MAP kinases and suppress the MAP kinase activities. This PTP was shown to be involved in the regulation of T cell antigen receptor (TCR) signaling, which was thought to function through dephosphorylating the molecules related to MAP kinase pathway. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2010]

Locus ID: 5778

MW: 58.3