

Product datasheet for **SC215494**

PTPN7 (NM_080588) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PTPN7 (NM_080588) Human 3' UTR Clone
Symbol:	PTPN7
Synonyms:	BPTP-4; HEPTP; LC-PTP; LPTP; PTPNI
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_080588
Insert Size:	1620 bp



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Insert Sequence: >SC215494 3'UTR clone of NM_080588
 The sequence shown below is from the reference sequence of NM_080588. 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
GGCCAGCTGCCTGAGGAACCCAGCCCCGACCCCTGCCACCCCTCCGGTGGCCAGGTGCCTACCTCCCT
CAAGCCTGGGAAGGTGGGTCTGGGGAAAGTGGGCCGAGTGATCTGGGGTACCCCTTGGGTTGGTGTGG
GGAAGGAGTGCCTCCTTAGTGGTCTTGCAGTACAGGAAGCAGCAGCAGTAAGGACAAGGGGCCGGAT
TCCAGGTCTTCAACTGGCCACTCCTCTGCTTCTGTTGGCCCCAGATGGACAGTAAGGGGAACCT
CCAATGTCTCTGAACTTAAAGACAGGAGCTGGCATTATGACAGACAAAGAAAGGCCAGGTGTC
CTGGTGTCTCTGAGACTCTTTGTGAGCTTCAGTTTCTGTTCTATAACATGAACATAAGTGCTTAG
CTGCCATGAGGGAAAAGTAATGAGAGAAGTTTCTAGAAGCCACTCCAGCCACTCCTTCTGGGGCTGAC
AAAAGGTGATTCCAAGATCATCTTACCCGAGGTCTGCCAAGCACAGGCCAGATGCAAGAATGGG
GAAAAGTCTGGTCTGATCTCCAAGTCTCAACATCCTATCAGTACTCTGCTCCCTGACCACACATCGG
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ATAAGAGTAGGCTACAGAGGTGACCAGGCCTGGCAGTTGAAATCTCTGGAAGAGGGAAACATGTGGGGAC
TACTCAGAGGCAAAGAGGAGTCTCCTGCCTCCATGGTTGCTGGCCACTCCCACCAACTACTCTTAGG
GAGGCTAAGCAGTCTCTGTTTTGCTTCCATGGCTCAAATAATACCCTGGGTATGCAGGACCCACTATAC
CTTGCAATTTGCTGAGTACACCTAGAGAGCTTGGCTGTTTTCAAAAACAATCAGGGTCATAACCATCCAT
GCAGACATGGAGGCTCGGCTGAACCAGGACTCCTCACTGTCTACCTGAGAGAATGAGCACCCCTCATCC
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TCCTCCTCCTTGAATCTGAGACTGGCTGCCATTCTGAGATGGGGATGAAGGTAAGATGCCGCATCACC
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AGAACAGCTGGGCTCCTCACTCAGGACTTCTCTCCTGAAGAACACGCAGTGCTAAAAGTGGGATGAT
TTCCCTAATGCTTCTGCTTGGCCTTATGGAGGAGCTGCTCCTTCTTACAGCCTTGGGGATGGACTTGC
CCACACCTCCACCTCCCCTGAGCCCTGTGAGAGGCACGACTGTCTATGCCAATGAGGCTCGGTGGGGG
CTCTCAAGTGCCTGATCCTGCCCTGGGCTCAGAGCCAGCCAGAGGGAAGCAACTGCACAGCCCCACAG
GCCCTCCCTGGCACTGTCCCCCAACCCATCTCAGAGCTCAGAGGTTACAAGCTCCAGAACAGTAACC
AAGTGGGAAAATAAAGACTTCTTGGATGACTGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-Mlul

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_080588.3](#)

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