

Product datasheet for **SC203781**

SHP1 (PTPN6) (NM_080548) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SHP1 (PTPN6) (NM_080548) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PTPN6
Synonyms:	HCP; HCPH; HPTP1C; PTP-1C; SH-PTP1; SHP-1; SHP-1L; SHP1
ACCN:	NM_080548
Insert Size:	246 bp
Insert Sequence:	>SC203781 3'UTR clone of NM_080548 The sequence shown below is from the reference sequence of NM_080548. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AAGAGCAAGGGTCCCTCAAGAGGAAGTGA GCGGTGCTGTCTCAGTGGCCATGCCTCAGCCCTGACC CTGTGGAAGCATTTCGCGATGGACAGACTCACAACCTGAACCTAGGAGTGCCCCATTCTTTTGTAAATTT AAATGGCTGCATCCCCCACCTCTCCCTGACCTGTATATAGCCAGCCAGGCCCCAGGCAGGGCCAA CCCTTCTCCTCTGTAAATAAAGCCCTGGGATCACTGTG ACGCGT AAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	SgfI-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_080548.5</u>



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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. N-terminal part of this PTP contains two tandem Src homolog (SH2) domains, which act as protein phospho-tyrosine binding domains, and mediate the interaction of this PTP with its substrates. This PTP is expressed primarily in hematopoietic cells, and functions as an important regulator of multiple signaling pathways in hematopoietic cells. This PTP has been shown to interact with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell signaling. Multiple alternatively spliced variants of this gene, which encode distinct isoforms, have been reported. [provided by RefSeq, Jul 2008]

Locus ID:

5777

MW:

9