

Product datasheet for **SC204780**

TCPTP (PTPN2) (NM_080422) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TCPTP (PTPN2) (NM_080422) Human 3' UTR Clone
Symbol:	TCPTP
Synonyms:	PTN2; PTPT; TC-PTP; TCELLPTP; TCPTP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_080422
Insert Size:	375 bp
Insert Sequence:	>SC204780 3'UTR clone of NM_080422 The sequence shown below is from the reference sequence of NM_080422. 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
AGAAAAAGGCCAAGATTGACAGACACCTAATATTCATGACTTGAGAATATTCTGCAGCTATAAAATTTTG
AACCATTGATGTGCAAAGCAAGACCTGAAGCCCACTCCGAAACTAAAGTGAGGCTCGCTAACCCCTCA
GATTGCCTCACAGTTGTTTGTTTACAAAGTAACTTTACATCCAGGGGATGAAGAGCACCCACCAGCAG
AAGACTTTGCAGAACCTTTAATTGGATGTGTTAAGTGTTTTAAATGAGTGTATGAAATGTAGAAAGATG
TACAAGAAATAAATTAGGGGAGATTACTTTGTATTGTACTGCCATTCTACTGTATTTTTATACTTTTT
GGCAGCATTAAATATTTTTGTTAAATAGTC
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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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.



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RefSeq: [NM_080422.3](#)

Summary: The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. Members of the PTP family share a highly conserved catalytic motif, which is essential for the catalytic activity. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. Epidermal growth factor receptor and the adaptor protein Shc were reported to be substrates of this PTP, which suggested the roles in growth factor mediated cell signaling. Multiple alternatively spliced transcript variants encoding different isoforms have been found. Two highly related but distinctly processed pseudogenes that localize to chromosomes 1 and 13, respectively, have been reported. [provided by RefSeq, May 2011]

Locus ID: 5771

MW: 14.7