

Product datasheet for **SC210049**

PTPN12 (NM_001131009) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PTPN12 (NM_001131009) Human 3' UTR Clone
Symbol:	PTPN12
Synonyms:	PTP-PEST; PTPG1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001131009
Insert Size:	819 bp
Insert Sequence:	<p>>SC210049 3'UTR clone of NM_001131009</p> <p>The sequence shown below is from the reference sequence of NM_001131009. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
CCAAGAGATCCACCTTCAGAATGGACATGATTTCAGGGAGCTAGAAGACACTTTAAGTTATACTGGAAAA
TTCAGGTGCCACTGAAAGCCAGATTTATAGTATTCCATCTTTAATATGTGGGACTAACAGCAGTGTAGA
TTGTTACCTTAATATTTTTTGTGGGACCATCTACCTGCCTTATACTACACTTAGGAAAAAGTATTACA
TATGGTTTATTTGAACTTCAAGTATTATTGCCTTAATGTCTCTTAACCCTGTTACACGCTGCTTGTA
GACATGTTAATATAGTAATACCTTTATGATATATTGAGTTTAAGGACTACTCTTTTCTGTTTTATCAT
GTATGCATTATTTGTATATGTACAGGGCAAGTAGGTATATAATTTGATAAAGTTGCAATTGAAATATT
ATTAACAGAAGATGTAAGAAATTTCTGCATGGTCTAAATCTTTGTGTAATTTATTTGTAATTTATTTGC
CCTGGAGTTTTAGAAAATAGTTTCTGAATTTTAACTTGCTGGATTATGCAGCCAGCTTTGCAGGTTA
TCAGAGATCAAAGATTGTAATAAATTTGTAATTTGAAGCAAAAAGTTATTTTATATTATATACA
GTCTAATTGTTTCCTAATTGTTCTGTTTTCATCTAGTCAGAGATTAGTAAGTGCCTTGGAACAAT
ATTGAATTCCTTAGCTTGTGTGTTTCTTTAATATTTGAACTCAAGTGGGATTAGAAGACTATCAAA
ATACATGTATGTTTCAGGATATTTGACCTGTCATTAAAAAACAACAGTTTACAGTG
ACGCGTAAGCGGCCGCGCATCTAGATTGCAAGAAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI


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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_001131009.2</u>
Summary:	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains a C-terminal PEST motif, which serves as a protein-protein interaction domain, and may regulate protein intracellular half-life. This PTP was found to bind and dephosphorylate the product of the oncogene c-ABL and thus may play a role in oncogenesis. This PTP was also shown to interact with, and dephosphorylate, various products related to cytoskeletal structure and cell adhesion, such as p130 (Cas), CAKbeta/PTK2B, PSTPIP1, and paxillin. This suggests it has a regulatory role in controlling cell shape and mobility. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]
Locus ID:	5782
MW:	32.3