

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
Vector: pMirTarget (PS100062)
Symbol: PTPN12
Synonyms: PTP-PEST; PTPG1
ACCN: NM_001131009
Insert Size: 819 bp
Insert Sequence: >SC210049 3'UTR clone of NM_001131009

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.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCAAGAGATCCACCTTCAGAATGGACATGATTCAGGGAGCTAGAAGACACTTTAAGTTATACTGGAAAA
TTCAGGTGCCACTGAAAGCCAGATTTATAGTATTCCATCTTTAATATGTGGGACTAACAGCAGTGTAGA
TTGTTACCTTAATATTTTTGCTGGGACCCTACCTGCCTTATACTACACTTAGGAAAAAGTATTACA
TATGGTTTATTTGAAACTTCAAGTATTATTGCCTTAATGTCTCTTAACCCTGTTACACGCTGCTTGTA
GACATGTTAATATAGTAATACCTTTATGATATATTGAGTTAAGGACTACTCTTTTTCTGTTTTATCAT
GTATGCATTATTTGTATATGTACAGGGCAAGTAGGTATATAATTTGATAAAGTTGCAATTGAAATATT
ATTAACAGAAGATGTAAGAAATTTCTGCATGGTCTAAATCTTTGTGTACTTTATTTGAAATATTTGC
CCTGGAGTTTTAGAAAATAGTTTCTGAATTTAAACTTGCTGGATTTCATGCAGCCAGCTTTGCAGGTTA
TCAGAGATCAAAGATTGTAATAATAATTTGTAATTTGAAGCAAAAAGTTATTTTTATATTATATACA
GTCTAATTGTTTCATCCTAATTGTTCTGTTTCATCTAGTCAGAGATTCAGTAAGTGCCTTGAACAAT
ATTGAATCTCTTAGCTTGTGTGTTTCTTTAATATTTGAACTCAAGTGGGATTAGAAGACTATCAAA
ATACATGTATGTTTCAGGATATTTGACCTGTCATTAACAAAAACAAACAGTTTTACAGTG
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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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).



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| 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 |