

## Product datasheet for **SC208333**

### PTPN13 (NM\_080685) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** PTPN13 (NM\_080685) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PTPN13  
**Synonyms:** FAP-1; hPTP1E; PNP1; PTP-BAS; PTP-BL; PTP1E; PTPL1; PTPLE  
**ACCN:** NM\_080685  
**Insert Size:** 640 bp  
**Insert Sequence:** >SC208333 3'UTR clone of NM\_080685  
The sequence shown below is from the reference sequence of NM\_080685. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAAAAACAGCAGCCTCAGCTTCTGAAGTGCATGAAAAGAGCCTCTGGATGCATTTCCATTTCTCTCCT
TAACCTCCAGCAGACTCCTGCTCTATCCAAAATAAAGATCACAGAGCAGCAAGTTCATACAACATGC
ATGTTCTCCTCTATCTTAGAGGGGTATTCTTCTGAAAATAAAAAATATTGAAATGCTGTATTTTTACA
GCTACTTTAACCTATGATAATTATTTACAAAATTTAACACTAACCAAACAATGCAGATCTTAGGGATG
ATTAAGGCAGCATTGATGATAGCAGACATTGTTACAAGGACATGGTGAAGTCTATTTTTAATGCACCA
ATCTTGTTTATAGCAAAAATGTTTTCCAATATTTAATAAAGTAGTTATTTTATAGGGGATACTTGAAA
CCAGTATTTAAGCTTTAATGACAGTAATATTGGCATAGAAAAAGTAGCAAATGTTTACTGTATCAAT
TTCTAATGTTTACTATATAGAATTTCTGTAATATATTTATATACTTTTTCATGAAAATGGAGTTATCA
GTTATCTGTTTACTGATCATCTGTTTGAATCATTATCTCACTTTGTAATAAAAAACACACCTTA
AAACATGAACAAGCCAAAA
ACGCGTAAGCGCGCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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.



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RefSeq: [NM\\_080685.3](#)

**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 is a large intracellular protein. It has a catalytic PTP domain at its C-terminus and two major structural domains: a region with five PDZ domains and a FERM domain that binds to plasma membrane and cytoskeletal elements. This PTP was found to interact with, and dephosphorylate, Fas receptor and I $\kappa$ B $\alpha$  through the PDZ domains. This suggests it has a role in Fas mediated programmed cell death. This PTP was also shown to interact with GTPase-activating protein, and thus may function as a regulator of Rho signaling pathways. Four alternatively spliced transcript variants, which encode distinct proteins, have been reported. [provided by RefSeq, Oct 2008]

Locus ID: 5783

MW: 24.8