

## Product datasheet for **SC209160**

### PTP4A2 (NM\_080392) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** PTP4A2 (NM\_080392) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PTP4A2  
**Synonyms:** HH7-2; HH13; HU-PP-1; OV-1; PRL-2; PRL2; ptp-IV1a; ptp-IV1b; PTP4A; PTPCAAX2  
**ACCN:** NM\_080392  
**Insert Size:** 739 bp  
**Insert Sequence:** >SC209160 3'UTR clone of NM\_080392  
The sequence shown below is from the reference sequence of NM\_080392. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCTGCTTTATTTGGAGAAATACCGACCTAAGATGCGATTACGCTTCAGAGATACCAATGGGCATTGCTG
TGTTTCAGTAGAAGGAAATGTAAACGAAGGCTGACTTGATTGCCATTTAGAGGGAACCTTTGGTACCT
GGAAATGTGAATCTGGAATATTACCTGTGTCATCAAAGTAGTGATGGATTCACTCCTCAACCACTC
TCTAATGATTGGAACAAAAGCAAAACAAAAAGAAATCTCTATAAAATGAATAAAATGTTTAAGAAA
AGAGAAAGAGAAAAGGAATTAATTCAGTGAAGGATGATTTGCTCCTAGTTTTGGAGTTGAATTTCTG
CCAGGATTGAATTTTTGAAATCTCCTGTCTTTTTAACTTTTTCAAAATAGGTCTCTAAGGAAAACC
AGCAGAACATTAGCCTGTGCAAAACCATCTGTTGGGGAGCACACTCTCCATTATGCTTGGCACATAG
ATCTCCCTGTGGTGGGATTTTTTTTTCCCTTTTTGTGGGGAGGGTGGTGGTATTTTTCCCT
CTTTTTCTTCTCCTACATCTCCCTTTCCCGGATCCAAGTTGTAGATGGAATAGAAGCCCTTG
TTGCTGTAGATGTGCGTGCAGTCTGGCAGCCTTAAGCCCACCTGGGCACTTTTAGATAAAAAAAAAA
AAAACAAAAAACACACCAAAAAACAGCAGTGATATATATATATATAT
ACGCGTAAAGCGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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).



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<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_080392.2</a>
<b>Summary:</b>	The protein encoded by this gene belongs to a small class of the protein tyrosine phosphatase (PTP) family. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. PTPs in this class contain a protein tyrosine phosphatase catalytic domain and a characteristic C-terminal prenylation motif. This PTP has been shown to primarily associate with plasmic and endosomal membrane through its C-terminal prenylation. This PTP was found to interact with the beta-subunit of Rab geranylgeranyltransferase II (beta GGT II), and thus may function as a regulator of GGT II activity. Overexpression of this gene in mammalian cells conferred a transformed phenotype, which suggested its role in tumorigenesis. Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 11, 12 and 17. [provided by RefSeq, Aug 2010]
<b>Locus ID:</b>	8073
<b>MW:</b>	28.4