

## Product datasheet for **SC207474**

### PRCP (NM\_005040) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PRCP (NM_005040) Human 3' UTR Clone
Symbol:	PRCP
Synonyms:	HUMPCP; PCP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005040
Insert Size:	2000 bp



[View online »](#)

**Insert Sequence:** >SC207474 3'UTR clone of NM\_005040  
 The sequence shown below is from the reference sequence of NM\_005040. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTCATGACAGTGCGGGAAAGCAGCACAGAGAACTTTTATTGTTTCAATTTCTTTTATGTTCA
CACCACCACATTTCCATTCACTTTGATTTTCTACATGTAATTACCTTCTTTTGTATCATTAGATTG
ATGGGGCCAAAGTTGAGATAGAATAGAGGGTGATGACGGTAAGAGCAAGTGTCCCATGAATGTGATTTC
CTGGGTTCTCACTGTCTTTGCACCACGTCTAGGAAGAATCTTCTTGATAGCTCTCCACACCATCAGTG
GCCCTCATAACTGGAGTAGAGTTCCTGGTTGCTTTTCATAAGAGGGAGAGTTACTTTCTTTGTATCTCT
GCAAGCAGAGATTTCTTTGGTTTTGAGGTTGAAGTGTCTTTGGCCATTTGTAAGTCCCACCCCTA
CCCTACACAAAGTAAAAGCAGAAGATAGATAAAAAATGATGTAATTGCAGCTGGTAGGATGTCTGGTGC
CAATCCAGGAAGTGAGAGCCATTTCTTTTACCAGGATTAATGACTTTGAACTGTGCTGTAATAAAT
AATACAGCTGGACCTTATACCTGTGTGTTGCTTCTGAAGTCACTTCAACTCCGGCTGATGGAAATGCT
GTGTGCACTGGGCTTAGCTGTTTTGGAAAGTCCTTAATTTTTTCTCTTCCACTTGGCAGCTTTTCTT
AGTTCTGGGATGTTGGCCACTGTGGTACTGCCAGTAAGAAATCTGGCCTTTTTCTGCTCCATTTCTCTT
TGTTTTCTAAGGTCAGTTTTAATTTGTTTGAATTCGCCAGTTTAGGAAAATGACTCTGTTTTGTCTTTT
TAAATCTGAGCAAGCTTTATGCTGTAGTCACTAATTAATTTTCAAGTAAGAAAGCCTTTAAAAATGATGA
ATCAGCTATCCAAAAGTAGAATATAGTAATATCAGCTTTTAAATTTTTAAAAATTTTCTGATA
GTTGTTACTGCTGCATTAAAACCAGAAGTGTTAGACACTAACAGGCAGGTGCACAAGAATTTTCTGT
ATGACTTCCAAAAGACAAGCTGACTAATTCATGCAGGCAGCATATTTGACATTAATAAATGGCCAAGCC
ATTCTATTTTCCAAGGGTTGGCTTCTTTCAAGCAGTTCTTACACTGAGACCTTTCTTCAGAGAGCTTT
TCTAGGATAACAATAGGGTTGGATCAAAACCTTTTCAAGGACACAGAGAGACAGAGAGAGAGACTAA
CAGTTTCTACTCTGTTGAAAGATTTCTTCTCCTTGTTTCTTTTCAATTTCTCTCAATAATTTTTTTTT
CTTCACCTGCCTTGGGAACATTTTCTGCTTTTAAAAAAGTACCTTGAGCTTGATCATTTTTATGGC
ATTTTTTTTTTTAAGGGCATATATAGAGTTCATTCTTGGGATGGAAAGCTGAAATATTTCTTTACTT
TCCCTGGCATCTGGGAGATACAGGAAAATCTTTGTCTTATTTTGGGAGCCTTCAGTTCTCATTGTAATG
AGTTGTCTATCAAAGCATTGGTAACTATTTGTTTTCAGCATCACAGAACATCGATTTGGTGGAAT
TTAAGGGCCAAAACAATACTAGTTTTTATCTTTGTCACTAAGAAATTAATAATGCAGGGTTTATGG
GCTCAATAGAGGATATTCTTACAATTTATTTACGATTTTAGGGTTTTCCCTTGTGTAGAATCTTTAA
AATACTTTGCCATTTTATTTGATGTTGATTATTTGGATGAGTTACATTATTCTGAAGAAACAACTGCA
AAAAATAGAATTTTTTGGCAAGCATAATTGTATCTTACTGTATGCATTTTAGGAATATAGATAGCA
GCCTTAATTGAAGTGAGTATAATTATAATATGCTAAGGTTAATTTTAAACATGAAAAAGAATTGGAGTG
TCAGATAAGCCTTATTATTTAAGCATCCCTCTAATAAACTGCCTTTTACTGACAGGGAAAGAGA
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**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.

**RefSeq:** [NM\\_005040.4](#)

**Summary:**

This gene encodes a member of the peptidase S28 family of serine exopeptidases. The encoded preproprotein is proteolytically processed to generate the mature lysosomal prolylcarboxypeptidase. This enzyme cleaves C-terminal amino acids linked to proline in peptides such as angiotension II, III and des-Arg9-bradykinin. The cleavage occurs at acidic pH, but the enzyme activity is retained with some substrates at neutral pH. This enzyme has been shown to be an activator of the cell matrix-associated prekallikrein. The importance of angiotension II, one of the substrates of this enzyme, in regulating blood pressure and electrolyte balance suggests that this gene may be related to essential hypertension. A pseudogene of this gene has been identified on chromosome 2. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016]

**Locus ID:**

5547

**MW:**

76.8