

## Product datasheet for **MC216852**

### Prcp (NM\_028243) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prcp (NM_028243) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prcp
Synonyms:	2510048K03Rik; 2610104A14Rik; AI451719; HUMPCP; PCP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC216852 representing NM\_028243  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCTGCCGGCTCTCTGCTCTTCTTCTATTACTCGGGGCCGCCACAACCATCCGCCTAGGC  
 TAAAGACCCTCGGCAGCCCGCATTGTGTCAGCCAGTCCCACACCCGACCCTGCTGTAGCCGTAAATACTC  
 AGTTCTTTACTTCGAACAGAAGTTGACCACTTTGGGTTTGTGACATGAGAACCTTTAAACAGCGGTAC  
 CTAGTCGCTGATAAACTGGCAGAGAAATGGTGGATCAATACTTTCTACACTGGTAACGAAGGGGACA  
 TTGTCTGGTTTTGCAATAATACGGGTTTCATGTGGGATGTGGCTGAGGAGCTGAAAGCTATGCTGGTGT  
 CGCTGAGCATCGATACTATGGGGAGTCCCTTCCCTTTGGTCAGGACTCCTTCAAGGATCCCAACACTTG  
 AATTTCTGACATCAGAACAGGCTCTGGCTGATTTGCAGAGTTAATCAGACACTGGAAAAACAATCC  
 CAGGAGCTCAAGGTCAACTGTCATCGCCATCGGGGGCTTTATGGTGGCATGCTTGAGCCTGGTTCAG  
 GATGAAGTATCCTCACATTGTAGTTGGAGCTCTTGCAGCTTCTGCCCTATCTGGCAGCTTGATGGTATG  
 GTCCCTGTGGTGAAGTTATGAAGATTGTAACACGATTTTCAGGAAAAGTGGTCCCTATTGTTCCAGAAA  
 GTATCCGCAAATCCTGGAATGTCATTGACAAACTCTCAGGTTTCAGGCAGTGGTCTCCAGTCGCTCAGGAA  
 CATTCTTACCTATGTAGTCCCTTGACTTCTGAGAAAAATCCCAACTTTAAAAGGATGGATAGCTGAGACC  
 TGGGTGAACCTGGCCATGGTGAACCTACCGATGCAACTTTTTGCAGCCTTTGCTGCTTGGCCCA  
 TCAAGGAGGTGTGCCAATATTTGAAAAATCCTAATGTATCGGATACAGTGTCTGTCAGAAATATTTTCCA  
 AGCTCTGAGTGTATTTAACTATTTCAGGCCAAGCAGCATGCCTGAATATTTCAAAACGACTACGAGC  
 AGTCTGGGCTCCATGGGCTGGAGCTTTTCAGGCCGCACAGAAATGGTTCATGCCCTTTTGTACTAATGGTA  
 TTGATGACATGTTTGAACCTTTCTGTGGGACTGGAGAAGTATCCAATGACTGTTTTAACCAAGTGGG  
 AGTGAAACCACGGCCTCATTGGATGACTACCATGTACGGTGGCAAAAACATCAGTTCACACTCAAACATC  
 ATTTTCAGCAATGGTGAAGTTAGACCCGTGGTCAGGAGGTGGAGTAACCAGAGACATCACAGACACCTGG  
 TGGCTATCAACATCCATGACGGGGCCATCATTTAGATCTCCGAGCCACAACGCCTTCGATCCTTCCTC  
 TGTGCTGTATCTCGATTATTGGAAGTTAAACACATGAAGAAATGGATTTTAGATTTCTATAGCAATATC  
 CAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_028243
- Insert Size:** 1476 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_028243.3](#), [NP\\_082519.1](#)

**RefSeq Size:** 2964 bp

**RefSeq ORF:** 1476 bp

**Locus ID:** 72461

**UniProt ID:** [Q7TMR0](#)

**Cytogenetics:** 7 E1

**Gene Summary:** Cleaves C-terminal amino acids linked to proline in peptides such as angiotensin II, III and des-Arg9-bradykinin. This cleavage occurs at acidic pH, but enzymatic activity is retained with some substrates at neutral pH (By similarity).[UniProtKB/Swiss-Prot Function]