

Product datasheet for **RR211201**

Prcp (NM_001106281) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prcp (NM_001106281) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prcp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR211201 representing NM_001106281
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTGCTGGGCTCTCCTGCTCCTGCCTTTTCTATCACTCGGGGCCGCCACAACCATCCGGCCTAGGC
 TAAAGACCCTCGGCAGCCCGCACTTGTCAACTAACACACCCGACCCTGCTGTACCCAGTAGCTACTCAGT
 TCATTACTTCCAACAGAAGGTTGACCACCTTTGGGTTTTCTGACACAAGAAGCTTTAAGCAGCGGTACCTA
 GTAGCTGATAAACTGGCAGAGAAATGGTGGATCTATACTTTTCTACTGAAATGAAGGGGACATTG
 TCTGGTTTTGTAATAACGGGTTTATGTGGGATGTGGCCGAGGAGCTGAAAGCTATGCTGGTGTTCG
 TGAGCATCGATACTATGGGAAGTCCCTCCCTTCGGTCCGGACTCCTCAAGGATCCCAACATTTGAAT
 TTCCTGACATCAGAACAGGCTCTGGCTGATTTGCAGAGTTAATCAGGCCTTGAAGAAACAATCCAG
 GAACTGAAGGTCAGCCTGTCATCGCCATTGGGGGCTTTATGGTGCATGCTCGCAGCCTGGTTCAGGAT
 GAAATATCCTCACATAGTTGTCCGAGCTCTGGCAGCTTCCGCCCTATCTGGCAGCTTGATGGTATGGCC
 CCCTGTGGAGAGTTTATGAAGATTGTAAGTAAAGACTTACGCCAAAGTGGTCCACATTGTTCCAGAAAGTA
 TCCGTAGATCCTGGAGTGCATTAATCGACTCTCAGATACCGGCAGTGGTCTCCAGTGGCTCAGGGACAC
 TCTTACCTGTGTAGTCCCTTGACTTCTGAGAAGATGCCAACGTTGAAAGGATGGATAGCTGAAACCTGG
 GTGAACCTGGCCATGGTGAACACCCGATGCATGCAACTTTTTGCAGCCTTTCCTGCTTGGCCCATCA
 AGGAGGTGTGCCGATACTTGAGGAATCCCAATGTGTCCGATACAGTGTGCTGCAGAATATTTCCAGGC
 TCTGAATGTGTATTATAATTATTCGGGCCAAACAAAATGCCTGAATTTTCAAAAACAACCACAAGCAGT
 CTGGGCTCTACGGGCTGGAGCTTTCAGGCTGCACAGAAATGGTGCATGCCCTTTTGTACTAATGGTATTG
 ATGACATGTTTTGAACCTATCTGTGGGACTTGGAGAGCTATTCCAATGACTGTTTTAACCAATGGGGAT
 GAAACCAGGCCCTCATTGGATGACTACCATGTATGGTGGCAAAAACATCAGTTCCACTCCAACATCATT
 TTCAGCAATGGTACCTAGACCCGTTGGTCAAGGAGTGGAGTACCACAAAGACATCAGACACCCCTGGTGG
 CTATCAACATCCCTGAGGGGGCCCATCATTTAGATCTTCGAGCCACAATGCCTTCGATCCTTCTCTGT
 GCTGTTATCTCGTTATTGGAAGTTAAACACATGAAGAAATGGATTGCAGATTTCTATAGCAATTCTACT
 TGGAAAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211201 representing NM_001106281
 Red=Cloning site Green=Tags(s)

MGCWALLLLPFLSLGAATTIRPRLKTLGSPHLSTNTPDPAVPSSYSVHYFQQKVDHFGFSDTRTFKQRYL
 VADKHWQRNGGSILFYTGNEGDIWFCNNTGFMWDVAEELKAMLVFAEHRYYGKSLPFGRDSFKDSQHLN
 FLTSEQALADFAELIRHLKETIPGTEGQPVIAIGGSYGGMLAAWFRMKYPHIVVGALAASAPIWQLDGM
 PCGEFMKIVTKDFSQSGPHCSEIRRSWSVINRLSDTGSGLQWLRDTHLCSPLTSEKMPTLKGWIAETW
 VNLAMVNYPYACNFLQPLPAWPIKEVCRYLRNPNVSDTVLLQNIQALNVYYNYSGQTKCLNISQTTTSS
 LGSTGWSFQACTEMVMPFCTNGIDDMFEPYLWDLLETYSNDCFNQWGVKPRPHWMTMYGGKNISSHSNII
 FSNGDLDPWGGGVTKDITDTLVAINIPEGAHHLDLRAHNAFDPSSVLLSRLLEVKHMKKIADFYNSN
 WKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

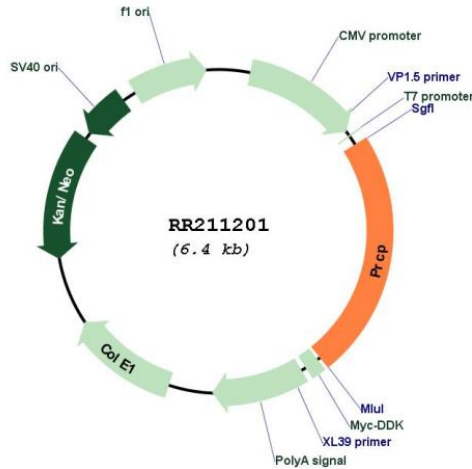
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106281

ORF Size: 1479 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001106281.2](#), [NP_001099751.2](#)

RefSeq Size: 2370 bp

RefSeq ORF: 1482 bp

Locus ID: 293118

Cytogenetics: 1q32

MW: 55.6 kDa