

Product datasheet for **MR224063**

Prcp (NM_028243) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prcp (NM_028243) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR224063 representing NM_028243
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCTGCCGGCTCTCCTGCTCTTCTATTACTCGGGGCCGCCACAACCATCCCGCCTAGGC
 TAAAGACCCTCGGCAGCCGCATTTGTCAGCCAGTCCCACACCCGACCCTGCTGTAGCCGTAAATACTC
 AGTTCTTTACTTCGAACAGAAGTTGACCACTTTGGGTTTGTGACATGAGAACCTTTAAACAGCGGTAC
 CTAGTCGCTGATAAACTGGCAGAGAAATGGTGGATCAATACTTTCTACACTGGTAACGAAGGGGACA
 TTGTCTGGTTTTGCAATAATACGGGTTTCATGTGGGATGTGGCTGAGGAGCTGAAAGCTATGCTGGTGT
 CGCTGAGCATCGATACTATGGGGAGTCCCTTCCCTTTGGTCAGGACTCCTTCAAGGATCCCAACACTTG
 AATTTCTGACATCAGAACAGGCTCTGGCTGATTTGCAGAGTTAATCAGACACTGGAAAAACAATCC
 CAGGAGCTCAAGGTCAACTGTCATCGCCATCGGGGGCTTTATGGTGGCATGCTTGACGCTGGTTCAG
 GATGAAGTATCCTCACATTGTAGTTGGAGCTCTTGCAGCTTCTGCCCTATCTGGCAGCTTGATGGTATG
 GTCCCTGTGGTGAAGTTATGAAGATTGTAACAACTTTCAGGAAAAGTGGTCCCTATTGTTCCAGAAA
 GTATCCGCAAATCCTGGAATGTCATTGACAAACTCTCAGGTTCCAGGCAGTGGTCTCCAGTCGCTCAGAA
 CATTCTTACCTATGTAGTCCCTTGACTTCTGAGAAAAACCAACTTTAAAAGGATGGATAGCTGAGACC
 TGGGTGAACCTGGCCATGGTGAACCTACCGCATGCAACTTTTTGCAGCCTTTGCTGCTTGGCCCA
 TCAAGGAGGTGTGCCAATATTTGAAAAATCCTAATGTATCGGATACAGTGTCTGCAGAAATTTTTCCA
 AGCTCTGAGTGTATTTAACTATTGAGGCAAGCAGCATGCCTGAATATTTCAAAACGACTACGAGC
 AGTCTGGGCTCCATGGGCTGGAGCTTTGAGGCTGCACAGAAATGGTATGCCCTTTTGTACTAATGGTA
 TTGATGACATGTTTGAACCTTTCTGTGGGACTGGAGAAGTATCCAATGACTGTTTTAACCGATGGGG
 AGTGAAACCACGGCCTCATTGGATGACTACCATGTACGGTGGCAAAAACATCAGTTCACACTCAAACATC
 ATTTTCAGCAATGGTGAAGTTAGACCCGTGGTCCAGGAGGTGGAGTAACCAGAGACATCACAGACACCTGG
 TGGCTATCAACATCCATGACGGGGCCATCATTTAGATCTCCGAGCCACAACGCCTTCGATCCTTCCTC
 TGTGCTGTATCTCGATTATTGGAAGTTAAACACATGAAGAAATGGATTTTAGATTTCTATAGCAATATC
 CAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224063 representing NM_028243
 Red=Cloning site Green=Tags(s)

MGCRALLLLSFLLLGAATTIPRLKTLGSPHLSASPTPDPVARKYSVL YFEQKVDHFGFADMRTFKQRY
 LVADKHWRNGGSILFYTGNEGDIVWFCNNTGFMWDVAEELKAMLVFAEHRYYGESL PFGQDSFKDSQHL
 NFLTSEQALADFAELIRHLEKTI PGAQQQPVI AIGGSYGGMLA AWFMRKYPHIVVGALAASAPIWQLDGM
 VPCGEFMKIVTNDFRKSGPYCSESIRKSWNVIDKLSGSGSGLQSLTNILHLCSPLTSEKIPTLKGWIAET
 WYNLAMVNYPYACNFLQPLPAWPIKEVCQYLKNPNVSDTVLLQNIQALSVYYNYSQAACLNISQTTTS
 SLGSMGWSFQACTEMVMPFCTNGIDDMFEPFLWDLEKYSNDCFNQWGVKPRPHWMTTMYGGKNISSHSNI
 IFSNGELDPWGGGVTRDITDTLVAINIHDGAHHLDLRAHNAFDPSSVLLSRLLEVKHMKKWILDFYSNI
 Q

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9030_d03.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_028243

ORF Size: 1473 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_028243.3](#), [NP_082519.1](#)

RefSeq Size: 2964 bp

RefSeq ORF: 1476 bp

Locus ID: 72461

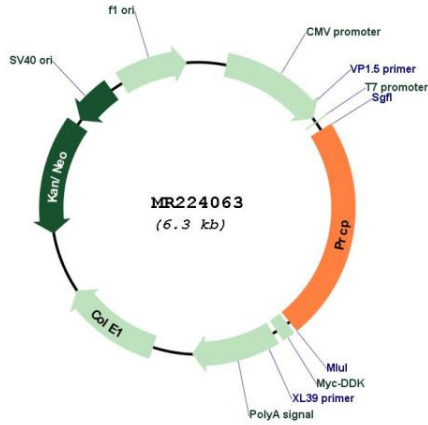
UniProt ID: [Q7TMR0](#)

Cytogenetics: 7 E1

MW: 55.5 kDa

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]

Product images:



Circular map for MR224063