

Product datasheet for **RR203468**

Anpep (NM_031012) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anpep (NM_031012) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anpep
Synonyms:	AP-M; AP-N; Apm; Apn; KZP; Lap1; rAPN
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR203468 representing NM_031012
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCAAGGTTTCTACATTTCCAAGACCCTGGGCATCTTGGGCATCCTGTTAGGTGTGGCAGCCGTAT
 GCACCATCATAGCTCTGTGCGGTGGTCTACGCTCAGGAGAAGAACAGGAATGCGGAGAAGCTGCCATAGC
 CCCACGCTCCCAGGCAGCACCTCAGCCACCACCTCAACTACCAACCCTGCTATAGATGAAAGCAAACCT
 TGGAAACCAGTATCGCTTGCCTAAGACTCTTATACCCGACTCCTACCAGGTGACCTTGAGGCCTTACCTCA
 CCCCCAACGAGCAGGGCCTGTACATCTTCAAAGGTTCCAGTACTGTCCGCTTTACCTGCAACGAGACCAC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203468 representing NM_031012
 Red=Cloning site Green=Tags(s)

MAKGFYISKTLGILGILLGVAAVCTIIALSVVYAQEKNRNAENSAIAPTLPGSTSATTSTTNPAAIDESKP
 WNQYRLPKTLIPDSYQVTLRPYLTPNEQGLYIFKGSSTVRFTCNETTNIIVIIHSKKLNNTKGNHRVALR
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 QMQAADARKSFPCFDEPAMKASFNITLIHPNLTALSNMLPKDSRTLQEDPSWNVTEFHPTPKMSTYLLA
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 GAMENWGLVITYRESALVFDPPQSSSISNKERVVTVIAHEL AHQWFGNLVTVDWVNDLWLNNEGFASYVEFLG
 ADYAEPTWNLKDLIVLNDVYRVMVDALASSHPLSSPANEVNTPAQISELFDISITYSKGASVLRMLSSFL
 TEDLFKKGLSSYLHTFQYSNTIYLDLWEHLQQAVDSQTAIKLPASVSTIMDRWILQMGPVITVNTSTGE
 IYQEHLLDPTSKPTRPSDFNYLWIVPIPYLKNKEDHYWLETEKNQSAEFQTSNEWLLLNINVTGYYQ
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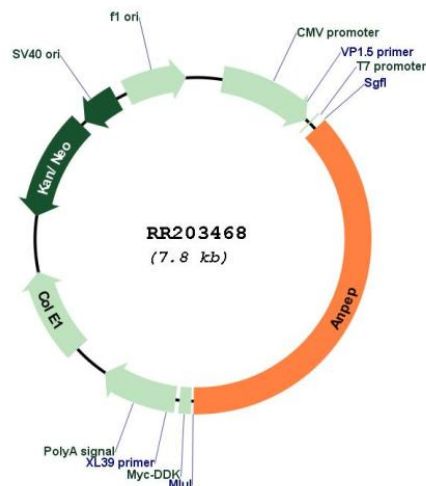
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031012

ORF Size: 2895 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_031012.1](#), [NP_112274.1](#)

RefSeq Size: 3320 bp

RefSeq ORF: 2898 bp

Locus ID: 81641

UniProt ID: [P15684](#)

Cytogenetics: 1q31
MW: 109.4 kDa
Gene Summary: a cell surface Zinc-peptidase [RGD, Feb 2006]