

Product datasheet for **RR201904**

Dpep3 (NM_001008383) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpep3 (NM_001008383) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dpep3
Synonyms:	MGC94276
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR201904 representing NM_001008383
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAACCCACGGTCTGAGGGTCCACGCGCGCTCAGCTTGAGGCCTCTGGGGCACCGGTATCCCTGT
 TGGGGGTGTTACTTATAATTCCGTCAGTATGGGTAACTGCAACCAGACTACTCCGAGCCTCTCCAGTGC
 TCCGACCTCACCGGAGCCTCCAGTGCCATGACCACTCCAGCATTCTAATGACACAACACTCGTCAGGC
 GTGACCACTGACCTCGCCTTCGAGAGCAAGCACTGGCCCTGATGCGAGACTTCCCACTTGTGGATGGCC
 ACAACGACCTGCCTCTGCTCCTGAGAGAACTTTCCAGAACAAGTGCAGGATGTGAATCTGCACAATTT
 CACCCGTGGCCAGACCAGCCTGGATAGGCTCAGGGATGGCCTTGTGGGTGCCAGTTCTGGTCAGCCTAC
 ATCCCATGCCAACCCAGGATCGGGATGCCGTGCGCGTAGCCCTGGAGCAGATTGACCTCATCCGACGCA
 TGTGTTCTGCTTACCCGGAGTTGGAGCTTGTGACCTCAGCTGATGGTCTGAATAGCACTCAGAAGCTGGC
 CTGCCTCATTGGACTAGAGGGTGGTCACTCACTGGACACCAGCCTCGCTGTGCTGCGCAGTTTCTACGAG
 CTAGGAGTCCGCTACCTGACACTTACCTTACGTGCAGCACACCTGGGCAGAAAGTGCCACGAAATTC
 GACACCATTTCTACACCAACATCAGCGGGTTGACGAGCTTTGGAGAGAAAGTAGTGAAGAAATGAACCG
 CATAGGTATGATGATAGATTTGTCCACGCCTCAGACACCTTAGTGAAGCAAACCTGGAGGCGTCTCGG
 GCTCCTGTGATCTTCTCCATTACGCGGTAGATCAGTGTGTGACAACCTGCTGAATGTTCTGATGACA
 TACTGCAGCTTCTGAAGAAGAAATGGTGGCATTGTGATGGTGACTGTCCATGGGGTGTGTCAGTGCAG
 TCTGCTTGCTAATGTGTCCACTGTAGCAGATCATTTTGACCACATCAGGACAGTCATTGGATCTGAATTC
 ATTTGGATTGGTGAAGCTATGATGGTCTGGAAGTTCCCTCAGGGGCTGGAGGATGTGCTACATACC
 CAGTGTCTTAGAGGAGTTGCTGAGACGAGGCTGGGGTGAACAAGAGCTCAAGGTGCTCCTCGAGGAAA
 CCTGCTTCGGGTCTTACAGACAAGTGAACAGGTGAGAGAAAAAGCCTTGGGCAGAGCCCTGTGGAGGTC
 GTGTTCCAGAGAGGCAACAGAGCAGCCTGCCACTCCACCTGCTGCCTCAGTCTCAGGACGCACACT
 TGAAGGTGACCAAGCTGCCAAGTAGCCAGGTGCTCCAGAGGGCCTCAAAGCCCCGCCATGCCCTTGTCT
 AGGCTCGTGGCTGCTGTACCTCCCCAGCCTTACCCTTTGGCTTTGTTGCTCTGGCCACAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201904 representing NM_001008383
 Red=Cloning site Green=Tags(s)

MQPTGPEGPRALSLRPLGHRLSLLGVLLIIPSLWVTCNQTTPSLSSAPSPGASSAMTTPGIPNDTTTSG
 VTSDFPRLREQUALALMRDFPLVDGHNDLPLLLRELFQNKLQDVNLHNFTRGQTSLDRLRDGLVGAQFWSAY
 IPCQTQDRDAVRVALEQIDLIRRMCSAYPELELVTSADGLNSTQKLAELIGLEGGHSLDTSLAVLRSFYE
 LGVRYLTLTFTCSTPWAESATKFRHHFYTNISGLTSFGEKVVEEMNRIGMMIDLSHASDTLVKQTLASR
 APVIFSHSAARSVCDNLLNVPDDILQLLKNNGI VMVTL SMGVLQCSLLANVSTVADHFDHIRTIVIGSEF
 IGIIGSYDGSGRFPQGLEDVSTYPVLLLELLRRGWGEQELQGVLRGNLLRVFRQVEQVREKSLGQSPVEV
 VFPERQSSSTCHSHLLPQSQDAHLKVTKLPSQVLQRASKAPPCPLLGLVAAVTSPAFTLWLCSSGHR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

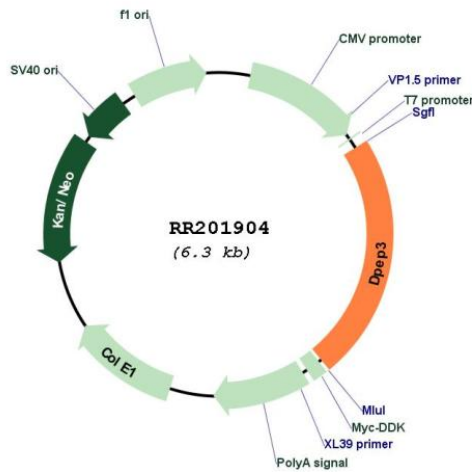
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001008383

ORF Size: 1464 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_001008383.1](#), [NP_001008384.1](#)

RefSeq Size: 1692 bp

RefSeq ORF: 1467 bp

Locus ID: 364994

UniProt ID: [Q5U2X4](#)

Cytogenetics: 19q12

MW: 53.4 kDa

Gene Summary: Probable metalloprotease which hydrolyzes cystinyl-bis-glycine. May be involved in meiosis (By similarity).[UniProtKB/Swiss-Prot Function]