

## Product datasheet for **RR214535**

### **Dnpep (NM\_001024879) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dnpep (NM_001024879) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnpep
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR214535 representing NM\_001024879  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCAAGTGGCCATGAACGGCAGAGCTAGGAAAGAGGCTATCCAGGCCACAGCCAGGAGCTCATCAAGT  
 TCGTGAACCGGAGCCCTCTCCTTTCCATGTCGTGGCCGAGTGTGCGAGCCGCTACTCCAGGCTGGCTT  
 CCGTGAACCAAGGAAACAGAGGCTGGGATATCTTACCAGAAAACAAGTACTTCTTAACCAGGAACTCC  
 TCCACCATCATTGCTTTTGTGTGGGGGCCAGTATGTTCTGGCAATGGCTTACGCTCATTGGGGCCC  
 ACACGGACAGTCCCTGCCTCCGGGTGAAACGCAAATCTCGCCGAAGCCAGGTGGGCTACCACCAGGTGGG  
 CGTAGAGACCTATGGTGGTGGGATCTGGAGCACGTGGTTTGACCGGGACCTGACCTTGGCTGGACGAGTC  
 ATTATCAAGTGCCTACGTCAGGCAGACTGGAGCAGAGGTTTGTGCATATAGAGCGGCCCATCTGCGCA  
 TCCCGCATCTGGCCATCCATCTGCAGCGAAATGTCAATGAGAATTTGGGCCAACACAGAGATGCACT  
 AGTCCCTATTCTGCCACAGCAGTTCAGGAAGAGCTGGAGAAAGGGACTCCTGAACCAGGGCCTCTCAGT  
 GCTACTGATGAGCGGCACCACTCAGTCCCTCATGTCCCTGCTCTGTACCACTCTGGGACTGAGTCCCTGACA  
 ACATCATGGAGATGGAGCTCTGCCTGGCAGACACCCAGCCTGCAACCCTGGTGGAGCTTATGAAGAATT  
 CATCTTTGCTCCTCGGCTGGACAATCTGCATAGCTGCTTCTGTGCTCTGCAGGCACTGATTGATTCTGT  
 GCATCCCTGCCTCCCTGGCCAGGGAGCCACATGTGCGCATGGTACGCTCTACGACAATGAAGAGGTGG  
 GGTGAGAGAGTGCACAAGGAGCAGACTCTGCTGACAGAGCTGATACTACGGCGCATCTCAGCCTCACC  
 TCAGCGTCTGACTGCCTTCGAGGAAGCCATACCTAAGTCTTTCATGATCAGTGCAGACATGGCCATGCT  
 GTGCACCCAACTACTCGGACAAGCATGAAGAAAACATCGGCCCTTGTCCATAAGGGTCTGTGATCA  
 AGGTGAACAGCAAGCAGCGCTACGCCTAATGCGGTGTCTGAGTCCCTGATTGAGAGGTGGCCGCGCA  
 AGTTGGAGTCCCTCTGCAGGACCTCATGGTCAGGAATGACTCTCCATGTGGTACCACCATTGGACCTATC  
 TTGGCTTCTCGACTGGGCTTCGGGTGCTGGACTTAGGCAGCCCCAACTGGCCATGCACTCTATCCGGG  
 AGACAGCTGTACCAGTGTCTCCAGACCCTCACCTTTTCAAGGGTCTTTTGTGAGCTGTTCCCTTC  
 TGTAAAGCCGTAACCTCTTGGTGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR214535 representing NM\_001024879  
 Red=Cloning site Green=Tags(s)

MQVAMNGRARKEAIQATARELIKFNRSPPFHVVAECSRLLQAGFRELKETEGWDILPENKYFLTRNS  
 STIIAFVGGQYVPGNFSLIGAHTDSPCLRVKRKSRRSQVYHQVGVETVYGGIWSWFDRDLTLGRV  
 IIKCPTSGRLEQRFVHIERPILRIPHLAIHLQRNVNENFGPNTEMHLVPILATAVQEELEKGTPEPGPLS  
 ATDERHHSVLMSELLCTHLGLSPDNIMEMELCLADTQPATLGGAYEEFIFAPRLDNLHSCFCALQALIDSC  
 ASPASLAREPHVRMVTLYDNEEVGSESAQGAQSLLTELILRRISASPQLTAFEEAIPKFSMISADMAHA  
 VHPNYSKHEENHRPLFHKGPIKVNKQRYASNAVSESLIREVAGQVGVPLQDLMVRNDSPCGTTIGPI  
 LASRLGLRVLDLGSPLAMHSIRETACTTGVLTQLTLFKGFFELFPSVSRNLLVD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

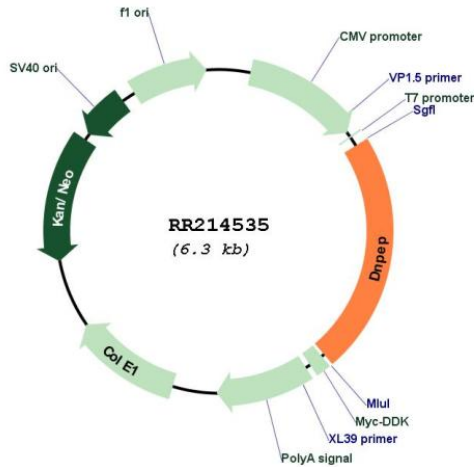
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001024879

ORF Size: 1425 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\\_001024879.1](#), [NP\\_001020050.1](#)

**RefSeq Size:** 1674 bp

**RefSeq ORF:** 1428 bp

**Locus ID:** 301529

**Cytogenetics:** 9q33

**MW:** 52.6 kDa