

Product datasheet for **MR215246**

Dnpep (NM_001110831) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnpep (NM_001110831) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnpep
Synonyms:	AA407814
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215246 representing NM_001110831
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGATGGCTATGAACGGCAGGGCTCGGAAAGAGGCCATCCAGGCCACAGCCCAGAGACTCCTGAAGT
 TCGTGAACCGGAGTCCCTCTCCTTTCCACGTCGTGGCTGAGTGC CGCAGCCGCCTCTCCAGGCTGGCTT
 CCGTGAACCAAGGAAACAGAGGGCTGGGATATCGTACCAGAAAACAAGTACTTCTTAACCAAGAACTCC
 TCCTCCATCATTGCTTTTGTGTGGGGGCCAGTATGTTCTGGCAATGGCTTCAGCCTCATTGGGGCCC
 ACACGGACAGTCCCTGTCTCAGGGTGAACGCAAATCGCGCCGAGCCAGGTGGGCTACCACCAGGTGCG
 TGTTGAGACCTACGGCGGTGGGATCTGGAGCACATGGTTCGACCCGGACCTGACCTTGGCTGGACGCGTC
 ATTATCAAGTGCCTACCTCAGGCCGGCTGGAGCAGAGGCTCGTCCATATAGAACGGCCCATCTGCGCA
 TCCACATCTGGCCATCCATCTGCAGCGAAATATCAATGAGAATTTGGGCCAACACAGAGATCCACCT
 AGTCCCTATTCTTGCACAGCAGTTCAGGAAGAGCTGGAGAAAGGGACTCCTGAACCAGGGCCTCTCGGT
 GCCACTGATGAGCGGCACCACTCGGTCCCTCATGTCCCTGCTCTGTACCATCTGGGCCTGAGTCCTGACA
 GCATCATGGAGATGGAGCTCTGCCTGGCAGACCCAGCCTGCAGTCTGGTGGAGCCTATGAAGAGTT
 CATCTTCGCTCCTCGACTGGACAATCTGCACAGCTGCTTCTGTGCCCTGCAGGCATTGATTGATTCTGT
 GCATCCCTGCCTCTCTGGCCAGGGATCCACATGTGCGCATGGTCACTCTACGACAATGAAGAGGTGG
 GGTCAGAGAGTGCACAAGGAGCACAGTCCCTGCTGACGGAGCTGATACTACGGCGCATCTCAGCCTCACC
 TCAGCGTCTGACTGCCTTCGAGGAAGCCATACCTAAGTCTTCATGATCAGTGCAGACATGGCCCATGCT
 GTGCACCCAACTACTCGGACAAGCATGAAGAAAACCACGGCCTTTGTTCCATAAGGGTCTGTGATCA
 AGGTGAACAGCAAGCAGCGCTACGCCTCTAATGCAGTGTCTGAGTCCATGATTGAGAGGTGGCTGGCCA
 AGTTGGGGTGCCCTGCAGGACCTCATGGTCAGGAATGACTCCCGGTGGTACCACCATGGACCTATC
 TTGGCTTCTCGACTGGGGCTTCGGGTGCTGGACTTAGGCAGCCCCAACTGGCTATGCACTCTATCCGGG
 AGACAGCCTGTACCCTGGAGTTCTCCAGACCCTCACCTTTTCAAGGGCTTCTTTGAGCTGTTCCCTTC
 TGTAAGCCGGAACCTCTTAGTGGAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215246 representing NM_001110831
 Red=Cloning site Green=Tags(s)

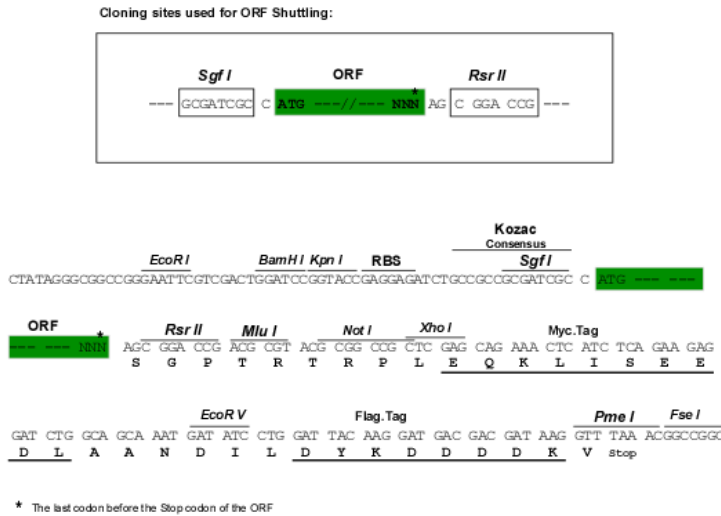
MQMAMNGRARKEAIQATARELLKFVNRSPPFHVVAECSRLLQAGFRELKETEGWDIVPENKYFLTRNS
 SSIIAFVGGQYVPGNGFSLIGAHTDSPCLRVKRKSRRSQVGYHQVGVETYGGGIWTWFDRLTLAGRV
 IIKPTSGRLEQRLVHIERPILRIPHLAIHLQRNINENFGPNTEIHLVPI LATAVQEELEKGTPEPGPLG
 ATDERHHSVLM SLLCTHLGLSPDSIMEMELCLADTQPAVLGGAYEEFIFAPRLDNLHSCFCALQALIDSC
 ASPASLARDPHVRMVTLYDNEEVGSESAQGAQSLLTELILRRISASPQRLTAFEEAIPKSFMISADMAHA
 VHPNYSKHEENHRPLFHKGPV IKVNSKQRYASNAVSESMIREVAGQVGVPLQDLMVRNDSPCGTTIGPI
 LASRLGLRVLDL GSPQLAMHSIRETACTTGVLTQLTLFKGFFELFPSVSRNLLVD

SGP**TRRRLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



ACCN: NM_001110831

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_001110831.1](#), [NP_001104301.1](#)

RefSeq Size: 1930 bp

RefSeq ORF: 1428 bp

Locus ID: 13437

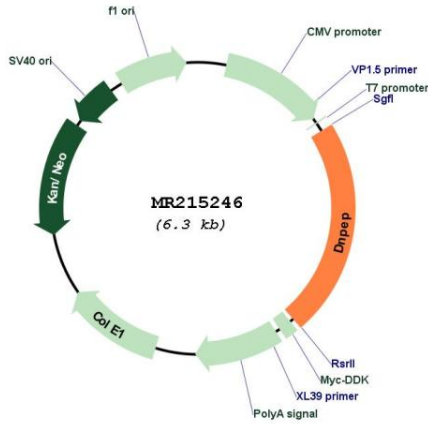
UniProt ID: [Q9Z2W0](#)

Cytogenetics: 1 C4

MW: 52.9 kDa

Gene Summary: Aminopeptidase with specificity towards an acidic amino acid at the N-terminus. Likely to play an important role in intracellular protein and peptide metabolism (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215246