

## Product datasheet for **MC216409**

### **Dnpep (NM\_016878) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dnpep (NM_016878) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dnpep
Synonyms:	AA407814
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216409 representing NM\_016878  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTATGAACGGCAGGGCTCGGAAAGAGCCATCCAGGCCACAGCCCAGAGCTCCTGAAGTTCGTGA  
 ACCGGAGTCCCTCTCCTTTCCACGTCGTGGCTGAGTGCCGAGCCGCCTCCTCCAGGCTGGCTTCCGTGA  
 ACTCAAGGAAACAGAGGGCTGGGATATCGTACCAGAAAACAAGTACTTCTTAACCAGAACTCCTCCTCC  
 ATCATTGCTTTTGTGTGGGGGCCAGTATGTTCTGGCAATGGCTTCAGCCTCATTGGGGCCACACGG  
 ACAGTCCCTGTCTCAGGGTAAACGCAAATCGCGCCGAAGCCAGGTGGGCTACCACCAGGTCGGTGTGA  
 GACCTACGGCGGTGGGATCTGGAGCACATGTTTCGACCGGGACCTGACCTTGGCTGGACGCGTCATTATC  
 AAGTGCCTACCTCAGGCCGGTGGAGCAGAGGCTCGTCCATATAGAACGGCCCATCCTGCGCATCCAC  
 ATCTGGCCATCCATCTGCAGCGAAATATCAATGAGAACTTTGGGCCAACACAGAGATCCACCTAGTCCC  
 TATTCTTGCCACAGCAGTTCAGGAAGAGCTGGAGAAAGGGACTCCTGAACCAGGGCCTCTCGGTGCCACT  
 GATGAGCGGCACCACTCGGTCTCATGTCCCTGCTGTACCCATCTGGGCTGAGTCTGACAGCATCA  
 TGGAGATGGAGCTCTGCCTGGCAGACACCCAGCCTGCAGTCTGGGTGGAGCCTATGAAGAGTTCATCTT  
 CGCTCCTCGACTGGACAATCTGCACAGCTGTTCTGTGCCCTGCAGGCATTGATTGATTCTGTGCATCC  
 CCTGCCTCTCTGGCCAGGGATCCACATGTGCGCATGGTACACTCTACGACAATGAAGAGGTGGGGTTCAG  
 AGAGTGACAAGGAGCACAGTCCCTGCTGACGGAGCTGATACTACGGCGCATCTCAGCCTCACCTCAGCG  
 TCTGACTGCCTTCGAGGAAGCCATACCTAAGTCCTTATGATCAGTGCAGACATGGCCCATGCTGTGCAC  
 CCAAATACTCGGACAAGCATGAAGAAAACCACCGCCTTTGTCCATAAGGGTCTGTGATCAAGGTGA  
 ACAGCAAGCAGCGTACGCCTTAATGCAGTGTCTGAGTCCATGATTGAGAGGTGGCTGGCCAAGTTGG  
 GGTGCCCTGCAGGACCTCATGGTCAGGAATGACTCCCCGTGTGGTACCACCATTGGACCTATCTTGCT  
 TCTCGACTGGGGCTTCGGGTGCTGGACTTAGGCAGCCCCCAACTGGCTATGCACTCTATCCGGGAGACAG  
 CCTGTACCAGTGGAGTCTCCAGACCCTCACCTTTTCAAGGGCTTCTTTGAGCTGTTCCCTTCTGTAAG  
 CCGGAACCTCTTAGTGGACTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_016878  
**Insert Size:** 1422 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_016878.4</a></u> , <u><a href="#">NP_058574.3</a></u>
<b>RefSeq Size:</b>	1754 bp
<b>RefSeq ORF:</b>	1422 bp
<b>Locus ID:</b>	13437
<b>UniProt ID:</b>	<u><a href="#">Q9Z2W0</a></u>
<b>Cytogenetics:</b>	1 C4
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding region compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a.</p>