

## Product datasheet for **MC216809**

### **Pepd (NM\_008820) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pepd (NM_008820) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pepd
Synonyms:	dal; Pep-4; Pep4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216809 representing NM\_008820  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGTCCACTGTGCGCCCTTCTTCTCCTGGGAATGAGACCCTGAAGGTGCCACTGGCACTATTTCG  
 CCCTGAACAGGCAGCGCCTGTGTGAGAGGCTGAGGAAGAATGGAGCTGTACAGGCCGCCTCAGCTGTCGT  
 GTTGACAGGGCGGGAAGAGATGCAACGGTACTGCACCGATACCTCCATCATCTTCCGCCAGGAGTCTTTC  
 TTTCACTGGGCCCTTCGGTGTGTCGAGTCAAGGCTGCTATGGTGTGTCATCGATGTGGACACTGGAAAATCAA  
 CCCTGTTTGTGCCAGGCTTCTGATAGCTACGCCACCTGGATGGGAAAGATCCATTCCAAGGAGTATTT  
 CAAGGAGAAGTACGCTGTGGATGATGTCCAGTACACGGATGAGATTGCCAGTGTCTGACCTCACGGAAC  
 CCCTCTGTCTCCTCACTTTGCGCGGTGTCAACACAGACAGTGGCAGTGTCTGCAGGGAGGCCCTCTTTCG  
 AGGGCATTAGCAAGTTCAATGTCAACAACAGATTCTTCAACCCAGAGATCGTGAATGCCGAGTGTCAA  
 GACAGACATGGAAGTACAGGTTTTCGCGTACACAAATCGGATCTCCAGCGAGGCCACCGTGAGGTAATG  
 AAGGCTGTAAAAGTGGGGATGAAGGAATACGAGATGGAAAGCCTGTTCCAGCATTATTGTTACTCTAGGG  
 GCGGCATGCGCCACACCTTTACACCTGTATCTGCTGTAGCGGTGAGAACGCGGCCGTGCTGCACTATGG  
 CCATGCTGGAGCCCCAATGACCGGACGATCAAGGATGGAGATATTTGCCTGTTGACATGGGTGGCGAG  
 TACTACTGCTTTGCTTCTGACATCACCTGCTCCTCCAGCCAACGGCAAGTTCACAGAGGACCAGAAGG  
 CCATCTACGAAGCAGTGTCTCAGGAGCTGCAGAAGTGTGATGAGCACTATGAAGCCAGGGGTCTGGTGGCC  
 TGATATGCATCGGCTGGCTGACCGTATCCACCTGGAGAACTGGCACGCATTGGCCTCTGAGTGGCAGT  
 GTGGATGCCATGCTCCAGTCCACCTGGGAGCAGTATTCATGCCACATGGACTTGGCCACTTTCTGGGCC  
 TAGATGTGCACGACGTGGGAGGCTACCTGAGGGTGTAGAGCGCATCGATGAACCTGGCCTGCGAAGCCT  
 GCGTACGGCAAGGCACCTGGAGCCGGGCATGGTGTGCTGACTGTGGAGCCAGGCATCTACTTATTGACCAC  
 CTCTTGGACCAGGCCCTGGCAGACCCGGCCCAAGCCTGCTTCTTTAACCAGAGGTCTGACAGCGTTCC  
 GCAACTTCGGTGGGTGCGGATCGAGGAAGATGTTGTCGTGACTGACAGCGGCATGGAGCTGCTGACATG  
 TGTACCCCGACTGTGGAGGAAATCGAAGCGTGCATGGCAGGCTGCGACAAGGCATCTGTGCCCTTCTCT  
 GGCCAAAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_008820

**Insert Size:** 1482 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_008820.2](#), [NP\\_032846.2](#)

**RefSeq Size:** 1856 bp

**RefSeq ORF:** 1482 bp

**Locus ID:** 18624

**UniProt ID:** [Q11136](#)

**Cytogenetics:** 7 20.7 cM

**Gene Summary:** Splits dipeptides with a prolyl or hydroxyprolyl residue in the C-terminal position. Plays an important role in collagen metabolism because of the high level of iminoacids in collagen. [UniProtKB/Swiss-Prot Function]