

Product datasheet for **RN209454**

Pepd (NM_001009641) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pepd (NM_001009641) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pepd
Synonyms:	MGC95081
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209454 representing NM_001009641
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGTCTACCGTGCGCCCTTCCTTCTCCTGGGAATGAGACCCTGAAGGTGCCGCTGGCACTGTTCG
CCCTGAACAGGCAGCGCCTGTGTGAGAGGCTGAGGAAGAATGGAGCTGTGCAGGCCGGCTCAGCTGTCTG
GTTGCAGGGCGGGGAAGAGATGCAACGATACTGCACCGATACCTCCATCATCTTCCGCCAGGAGTCTTTC
TTTCACTGGGCCCTTCGGTGTATCGAGTCAAGGCTGCTATGGTGTGATTGACGTGGACACTGGAAAGTCAA
CCCTGTTTGTGCCAGGCTTCTGCCAGCTATGCCACCTGGATGGGAAAGATCCATTCCAAGGAGCATT
CAAGGAGAAGTACGCAGTGGACGATGTCCAGTACGCGGATGAGATTGCCAGTGTCTGACTTACCGAAC
CCCTCTGTCTCCTCACTTTCGCGGTGTCAACACAGACAGTGGCAATGTCTGCAGGGAGGCTTCTTTCG
AGGGCATTAGCAAGTTCAGTGTCAACAACAGATTCTTCAACCCAGAGATCGTGAATGCCGAGTGTCAA
GACAGACATGGAGCTGGAGGTTTTGCGCTACACAAATCGGATCTCCAGTGGGCCACCGTGGAGTGTG
AAGGCTGTAAAAGTGGGGATGAAGGAATACGAGATGGAAAGCCTGTTCCAGCACTATTGTTACTCTAAAG
GTGGCATGCGCCACACCTTTACACCTGTATCTGCTGCAGCGGTGAGAACGCAGCCGTGCTGCACTACGG
CCATGCCGGGGCCCCAATGACCGGACGATCAAGGATGGAGATATTTGCCTGTTGACATGGGTGGAGAG
TACTACTGCTTCGCTTCTGACATCACCTGCTCCTCCCTGCCAATGGCAAGTTCACAGACGACCAGAAGG
CCATCTACGAAGCAGTGTCTAGAAGCTGCAGAACGGTCTAGGCACTATGAAGCCAGGTGTCTGGTGGCC
TGATATGCACCGGCTGGCTGACCGCATCCACCTGGAGAACTGACACGCATTGGCCTCTGAGTGGCAGC
GTGGATGCAATGCTCCAGTCCACCTGGGAGCAGTATTCATGCCACATGGACTCGGCCACTTCTGGGCC
TAGATGTGCATGATGTGGGAGGCTACCTGAGGGTGTAGAGCGCATCGATGAACCTGGCTTGCAGGCCT
GGGTACAGCAAGGCACCTGGAGCCAGGCATGGTGTGCTGACTGTGGAGCCAGGCATCTACTTATTGACCAC
CTCCTGGACCAGGCCCTGGCAGACCCGGCCCAAGCCTGCTTCTTTAACCAAGAGGTCTACAGCCTTTTC
GCAACTTTGGTGGGTCCGTATTGAGGAAGACGTTGTCGTGACCGACAGTGGCATGGAGCTGCTGACATG
TGTACCCCGGACTGTGGAAGAAATTGAAGCATGCATGGCAGGCTGTGACAAGGCCCTTGACCCTCTGGC
CCAAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001009641

Insert Size: 1479 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_001009641.1](#), [NP_001009641.1](#)

RefSeq Size: 1839 bp

RefSeq ORF: 1479 bp

Locus ID: 292808

UniProt ID: [Q5I0D7](#)

Cytogenetics: 1q21

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 (By similarity).[UniProtKB/Swiss-Prot Function]