

Product datasheet for **MC222777**

Enpep (NM_007934) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Enpep (NM_007934) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Enpep
Synonyms:	6030431M22Rik; APA; Bp-1/6C3; Ly-51; Ly51
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222777 representing NM_007934
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACCTTTCAGAGGAAGACCCCTCCAAGAAATACTGCATTAAGGCCAACACGTGCCATCATCTGTG
 GAGTAGTGGTGGCAGTTGGATTAATAGTGGACTTTCTGTGGTTTGACCAGGTCGTGTGAGCAGGACAC
 AACCCAGCTCCTCCCAACCTCCTCCGGAAGCCAGCACTGCCCTCCCTCCTCAGACCAGAATGTCTGC
 CCTGACAGTGAAGATGAAAGCGGAGAATGGAAAACTTCAGGCTGCCTGACTTCAATCCAGTTCCT
 ACGACCTGGAGGTGAAGGCCCTGATGGAGGAAGACAGGTACACGGGAATAGTGACCATCTCTGTCAACT
 GAGCAAACCCACTCGTGACCTATGGCTCCACATCAGGGAGACCAAGATCACCAAGCTGCCGGAGCTAAGG
 AGGCCCTCTGGGAGCAGGTACCAATTCGACGGTCTTCGAGTAAAGAAGCAGGAGTACGTGGTGTATCC
 AGGCTGCAGAAGACCTTCGCGCCACCAGTGGGACAGTGTCTATCGGCTGACCATGGAGTTAAAGGCTG
 GCTGAACGGTTCCTTGTGGGTTTTACAAAACCACTACATGGAGGACGGCAAATCAGGAGCATAGCT
 GCCACTGACCATGAACCAACAGATGCCAGGAAGTCCCTCCCTTGTTCGACGAACCAACAAGAAGTCAA
 CTTACAGTATATCCATCATCCACCCAAAAGAATACTCAGCACTTTCTAATATGCCAGAAGAGAAATCAGA
 GATGGTGGATGACAACTGGAAGAAAACCACTTTTGTGAAGTCTGTCCCAATGAGCACTTACCTGGTGTGC
 TTTGCTGTGCATCGGTTCACTGTATAGAGAGAAAATCCAGGAGCGGCAAACCACTCAAGGTCTATGTCC
 AGCCCAATCAGAAGGAGACAGCAGAGTATGCGGCAAACATAACCAAGCTGTATTTGATTACTTCGAAGA
 CTACTTCGCTATGGAGTATGCGCTTCTAACTGGATAAAATGCTATTCAGATTTTGGACCGGCC
 ATGGAAAATGGGACTTGTCACTTACCGAGAAACAACTGCTTACGACCCCTACTATCGGCCTCAT
 CTAACAGCAGAGAGTGGCCAGCGTGGTGGCCACGAACCTGTACACCAGTGGTTGGAAATACTGTGAC
 CATGGACTGGTGGGACGACTTGTGGCTAAATGAAGGATTTGCTTCGTTCTTCGAGTTCCTGGGAGTAAAC
 CACGCAGAAAAAGACTGGCAGATGCTCAGTCAGGTGCTGCTTGAAGATGTGTTCCCGTGAAGAGGACG
 ACTCCCTGATGTCTTACATCCAGTGGTGTGCTCACCGTGTCCACGCCAGCTGAAATAACATCTGTGTTGA
 TGGGATATCATACAGCAAGGGAGCTTCTATTCTGAGAATGCTCCAAGACTGGATAACACCAGAGAAATTC
 CAAAAAGGCTGTGAGTTACTTGAAAAATTCAGTTCGCGAATGCAAAAACTCCGACTTTTGGGATT
 CACTGCAAGAGGCAAGCAATCTGCCAGTAAAGAAGTGTGGACACCTGGACTAGCCAGATGGGTTATCC
 TGTGGTCACTGTGAGTGAAGGCAGAACATCACCCAGAAACGCTTCTGTTGGACTCCAAAGCTGATCCT
 TCGCAGCCACCGTCAAGCTCGTTACACATGGAATATCCAGTCAGATGGGCTGATAATGACAACCTCAA
 GGATCACCGTGTACAATAGGTTAGACAAAAGGAGGAATCACTCTGAATGCTAATCTTAGCGGAGATGCTTT
 TCTCAAAATCAACCCAGATCACATTGGGTTTTATCGTGTAAATATGAAGGAGGAACGTGGGATTGGATA
 GCCGAGGCTCTCTCTCAAACCACAGAGATTCTCCGCTGCTGACCGGTCAAGTTTTATTGATGATGCTT
 TTGCTTTGGCAAGAGCTCAACTTCTGAATTATAAAATAGCTCTGAACTTGACCATGTATCTCAAATCAGA
 AGAGGATTTCTACCATGGGAGAGAGTCAATTCATCTGTAAGCTACATCATTAGCATGTTTGAAGATGAC
 AGAGAGCTGTACCCATGATAGAGACGTAATTCAGGCAAGTGAAGCCGTTGCAGATTTGCTGGGAT
 GGCAGGATACCGGAAGCCACATCACAAGTTACTCCGGCCCTCTATCTTAGGATTCGCATGCAAGATGGG
 GGACAGAGAAGCCTTGGGCAATGCTTCCAGTTATTTGACTCCTGGCTGAAAGGGAGCGCAAGTATCCG
 GTAACCTCAGGCTGCTTGTGTACCGCTATGGAATGCAGAACTCTGGCAATGAGGACGCTGGAACATA
 CCCTAGAGCAGTATCAGAAAACATCGCTTGCCCAAGAGAAAAGAAAACTGCTCTATGGGTTAGCTTCAGT
 GAAGGATGTTAACTCTTGGCAAGGTATCTGGAATGCTCAAAGACCCCAATATTATTAATAACTCAGGAT
 GTATTTACCGTACCTCGCTACATCTCTACAACAGTTATGGGAAGACAATGGCCTGGAATTGGATACAAC
 TCAACTGGGACTATCTGGTCAGCAGATTTACAATCAATGACAGATACCTTGGCCGGATCGTACCATAGC
 TGAGCCCTTCAACACTGAACTGCAGCTCTGGCAGATGCAGAGCTTTTTTGCAAAATATCCAATGCTGGC
 GCTGGAGCAAACTAGAGAGCAAGTCTGGAGACGGTGAAGAACAACATCGAGTGGCTAAACGTGAACA
 GACAGTCCATCAGAGAGTGGTTCGCTAGCTGCCG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN:	NM_007934
Insert Size:	2838 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:	<ol style="list-style-type: none">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_007934.3 , NP_031960.1
RefSeq Size:	4208 bp
RefSeq ORF:	2838 bp
Locus ID:	13809
UniProt ID:	P16406
Cytogenetics:	3 57.92 cM
Gene Summary:	Regulates central hypertension through its calcium-modulated preference to cleave N-terminal acidic residues from peptides such as angiotensin II.[UniProtKB/Swiss-Prot Function]