

Product datasheet for **MC220361**

Xpnpep2 (NM_133213) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xpnpep2 (NM_133213) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Xpnpep2
Synonyms:	9030008G12Rik; mAPP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220361 representing NM_133213
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCAAAGCCTACTGGCAGTGTACCCCTGGCTTATTCTCCTGTGCATGTGCCTGGAGCTACCCAG
 AGCCCAAGTACCTTGAAGGGAAGATGTGAGAACTGTTCAACCAGCCCTGAGCGCCTGCCAGTTACTGC
 CGTCAATACAACAATGCGGCTTGACGCCCTCCGCCAACAGATGGAGACCTGGAATCTCTCTGCCTACATC
 ATCCCAGACACGGATGCACACATGAGTGAGTACATTGGCAAACCTGATAAGAGGGCAGAGTGGATTTTCAG
 GCTTACAGGGTCTGCAGGACTGCTGTGGTGACCATGGGAAAGCAGCTGTCTGGACCGATAGTCGTTA
 CTGGACTCAGGCCGAAAGGCAGATGGACTGCAACTGGGAGCTGCACAAGGAAGTTAGCATTCTTCCATT
 GTCGCCTGGATCTTAGCTGAAGTCCCTGATGGACAGAACGTGGGCTTCGACCCCTTCTCTTTTCTGTTG
 ATTCCTGGAAAAATTATGATCAAGGATCCAAGACTCCAGCAGACACCTGTTATCGGTTACAACCAACCT
 TGGTACGTTGGCATGGGGTTCAGAGAGGCCCCAGTGCCAAGCCAACCCATTTATGCCCTGCCGAAAGAA
 TTTACAGGGAGCACTTGGCAGGAAAAAGTATCCGCTGTCCGAAGCTATATGGAGCACCATGCCAAGACTC
 CAACTGGGGTCTTCTATCTGCCTTGTGAGACAGCCTGGCTCTTCAACCTTCGTAGCAGTGACATCCC
 CTATAACCCCTTCTTCTACTCCTATGCACTGCTCACGAACTCCTCCATCAGGTTGTTGTCAACAAGAGT
 CGCTTTAGCCTTGAGACCTTGACGTACCTGAATACAACTGCACATTACCCATGTGTGTGCAACTTGAGG
 ACTACAGTCAAGTTCGTGACAGTGTGAAGGCCTATGCCTCAGGCATGTGAAAATCTTAATTGGGGTCAG
 CTATACCACCTATGGGGTCTATGAAGTGATACCAAGGAGAACTCGTGACAGACACCTACTCCCGAGTG
 ATGTTAATCAAGGCTGTGAAGAACAGCAAGGAGCAGGCCCTTTTGAAGAGCAGCCACGTGCGGGACGCTG
 TGGCTGTATCCAGTACTTGGTCTGGTTGGAGAAGAACGTGCCAAAGGCACGGTGGATGAGTTTTCTGG
 GGCAGAATACATTGATGAGTTACGACGGAATGAAAACCTTCTCCTCTGGACCCAGTTTTGAAACCATCTCT
 GCTAGTGGCCTGAATGCCGCCCTGGCCATTACAGCCCAACAAAAGAGCTGCACCGTAAGCTGTCCTCAG
 ATGAGATGTACCTGGTGGATTCTGGGGGCAATACTGGGATGGGACCACAGATATCACCAGAACAGTACA
 TTGGGGCACTCCTACTGCCTTCCAAAAGGAGGCCTATACTCGAGTGCTAATGGGAAACATCGATCTGTCC
 AGACTTGTCTTCTGCTGCTACATCAGGGAGAGTGATAGAAGCCTTTGCCCGAAGAGCCTTATGGGAAG
 TTGGGCTCAATTATGGTCATGGGACAGGCCATGGCATTGGCAACTTCTCTGTGTGCATGAGTGGCCAGT
 GGGATTCCAGTATAACAACATTGCCATGGCCAAGGGCATGTTCACTTCCATTGAACCTGGATACTACCAT
 GATGGGGAGTTTGAATTCGCTTGAAGATGTCGCCCTTGTGGTGAAGCAAAAACCAAGTACCCAGGGG
 ACTACCTGACTTTTGAATTTGGTGTCTTTGTGCCCTATGACCGAAACCTCATCGATGTCAGGCTGCTGTC
 CCCAGAGCAGCTCCAGTACCTGAACCGCTACTATCAGACCATTCTGTGAGAATGTAGGCCAGAGCTGCAG
 CGTCGCCAGCTGCTGGAGGAGTTTGCATGGTTGGAGCAGCACACGGAGCCCTGTGAGCCAGGGCCCTC
 ATATCATCTCCTGGACCTCTCTGTGGTGGCCTTGCCCTTGCCATCCTCAGCTGGAGTAGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_133213
- Insert Size:** 2025 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: [BC140977](#), [AAI40978](#)

RefSeq Size: 2210 bp

RefSeq ORF: 2025 bp

Locus ID: 170745

UniProt ID: [B1AVD1](#)

Cytogenetics: X A4

Gene Summary: Membrane-bound metalloprotease which catalyzes the removal of a penultimate prolyl residue from the N-termini of peptides, such as Arg-Pro-Pro. May play a role in the metabolism of the vasodilator bradykinin.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) uses an alternate splice site in the 3' coding region, compared to variant 2. This results in a shorter protein (isoform 1), compared to isoform 2.