

## Product datasheet for **MC228825**

### Xpnpep2 (NM\_001289729) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Xpnpep2 (NM_001289729) 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:** >MC228825 representing NM\_001289729  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCAAAGCCTACTGGCAGTGTACCCCTGGCTTGTCTCCTCTGTGCATGTGCCTGGAGCTACCCAG  
 AGCCCAAGTACCTTGAAGGGAAGATGTGAGAACTGTTCAACCAGCCCTGAGCGCCTGCCAGTTACTGC  
 CGTCAATACAACAATGCGGCTTGACGCCCTCCGCCAACAGATGGAGACCTGGAATCTCTCTGCCTACATC  
 ATCCCAGACACGGATGCACACATGAGTGAGTACATTGGCAAACCTGATAAGAGGGCAGAGTGGATTTAG  
 GCTTACAGGGTCTGCAGGACTGCTGTGGTGACCATGGGAAAGCAGCTGTCTGGACCGATAGTCGTTA  
 CTGGACTCAGGCCGAAAGGCAGATGGACTGCAACTGGGAGCTGCACAAGGAAGTTAGCATTCTTCCATT  
 GTCGCCTGGATCTTAGCTGAAGTCCCTGATGGACAGAACGTGGGCTTCGACCCCTTCTCTTTTCTGTTG  
 ATCTCTGGAAAAATTATGATCAAGGATCCAAGACTCCAGCAGACACCTGTTATCGGTTACAACCAACCT  
 TGGTGACGTGGCATGGGGTCCAGAGAGGCCCCAGTGCCAAGCCAACCCATTTATGCCCTGCCGAAAGAA  
 TTTACAGGGAGCACTTGGCAGGAAAAAGTATCCGCTGTCCGAAGCTATATGGAGCACCATGCCAAGACTC  
 CAACTGGGGTCTTCTATCTGCACCTTGTGAGACAGCCTGTGAGTGGGGATTTTGAACATGGGTGAGTC  
 TGGTAGTCCCAAGCTTCTGGACCTTGCAACATACAGCTTTTCTAAAACAACAATATTCACCAGCTC  
 CTACGAGCTCCCAAGATCATAGTCTGTGAAAACCTCAGAGGGGAAGAGAGCAGCTGTTGGGGCTATAGAA  
 CAAGGAAGCCAGGGAGCTCCAAGCAAGTGGGGCTTCAACCTTCGTAGCAGTGACATCCCTATAACCC  
 CTTCTTACTCCTATGCACTGCTCACGAACTCCTCCATCAGGTTGTTTGTCAACAAGAGTCGTTTAGC  
 CTTGAGACCTTGCAGTACCTGAATACAACTGCACATTACCCATGTGTGCAACTTGAGGACTACAGTC  
 AAGTTCGTGACAGTGTGAAGGCCTATGCCCTCAGGCGATGTGAAAATCTTAATTGGGGTCACTATACCAC  
 CTATGGGGTCTATGAAGTGATACCAAGGAGAAAACCTCGTGACAGACACCTACTCCCAGTGATGTTAATC  
 AAGGCTGTGAAGAACAGCAAGGAGCAGGCCCTTTTGAAGAGCAGCCACGTGCGGGACGCTGTGGCTGTGA  
 TCCAGTACTTGGTCTGGTGGAGAAGAAGCAGTGCACAAAGGCACGGTGGATGAGTTTTCTGGGGCAGAATA  
 CATTGATGAGTTACGACGGAATGAAAACCTTCTCCTCTGGACCCAGTTTTGAAACCATCTCTGCTAGTGGC  
 CTGAATGCCGCCCTGGCCATTACAGCCCAACAAAAGAGCTGCACCGTAAGCTGTCCTCAGATGAGATGT  
 ACCTGGTGGATTCTGGGGGCAATACTGGGATGGGACCACAGATATCACCAGAACAGTACATTGGGGCAC  
 TCCTACTGCCTTCCAAAAGGAGGCCTATACTCGAGTGCTAATGGGAAACATCGATCTGTCCAGACTGTG  
 TTTCTGTGCTACATCAGGGAGAGTGATAGAAGCCTTTGCCGAAAGAGCCTTATGGGAAGTTGGGCTCA  
 ATTATGGTCATGGGACAGGCCATGGCATTGGCAACTTCTCTGTGTGCATGAGTGGCCAGTGGGATTCCA  
 GTATAACAACATTGCCATGGCCAAGGGCATGTTCACTTCCATTGAACCTGGATACTACCATGATGGGGAG  
 TTTGGAATCCGTCTTGAAGATGTGCGCCCTGTGGTAGAAGCAAAAACCAAGTACCCAGGGGACTACCTGA  
 CTTTTGAATTGGTGTCTTTGTGCCCTATGACCGAAACCTCATCGATGTCAGGCTGCTGTCCCAGAGCA  
 GCTCCAGTACCTGAACCGCTACTATCAGACCATTCTGTGAGAAATGTAGGCCAGAGCTGCAGCGTCGCCAG  
 CTGCTGGAGGAGTTTGCATGGTTGGAGCAGCACACGGAGCCCCTGTCAGCCAGGGCCCTCATATCATCT  
 CCTGGACCTCTCTGTGGTGGCCTTGCCTTGCCATCCTCAGCTGGAGTAGC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001289729

**Insert Size:** 2226 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).

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001289729.1</a></u> , <u><a href="#">NP_001276658.1</a></u>
<b>RefSeq Size:</b>	3699 bp
<b>RefSeq ORF:</b>	2226 bp
<b>Locus ID:</b>	170745
<b>UniProt ID:</b>	<u><a href="#">B1AVD1</a></u>
<b>Cytogenetics:</b>	X A4
<b>Gene Summary:</b>	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 (2) represents the longer transcript and encodes the longer isoform (2).