

## Product datasheet for **SC320293**

### **XPNPEP1 (NM\_020383) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	XPNPEP1 (NM_020383) Human Untagged Clone
Tag:	Tag Free
Symbol:	XPNPEP1
Synonyms:	APP1; SAMP; XPNPEP; XPNPEPL; XPNPEPL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_020383 edited  
 GTCACCGCGAATGGCAGCCTCCAGAAAGCCACCGCGAGTAAGGGTGAATCACCAGGATT  
 TTCAACTGAGAAATTTAAGAATAATTGAACCTAACGAGGTGACACACTCAGGAGACACAG  
 GTGTGGAAACAGACGGCAGAATGCCTCCAAAGGTGACTTCAGAGCTGCTTCGGCAGCTGA  
 GACAAGCCATGAGGAACCTGAGTATGTGACCGAACCGATCCAGGCCTACATCATCCCAT  
 CGGGAGATGCTCATCAGAGTGAGTATATTGCTCCATGTGACTGTCGGCGGGCTTTTGTCT  
 CTGGATTTCGATGGCTCTGCGGGCAGCCATCATCACAGAAGAGCATGCAGCCATGTGGA  
 CTGACGGGCGCTACTTTCTCCAGGCTGCCAAGCAAATGGACAGCAACTGGACACTTATGA  
 AGATGGGTCTGAAGGACACACCAACTCAGGAAGACTGGCTGGTGAAGTGTGCTTCCTGAAG  
 GATCCAGGGTTGGTGTGGACCCCTTGATCATTCTACAGATTATTGGAAGAAAATGGCCA  
 AAGTTCTGAGAAGTGCCGGCCATCACCTCATTCTGTCAAGGAGAACCTCGTTGACAAAA  
 TCTGGACAGACCGTCTGAGCGCCCTTGCAAGCCTCTCCTCACACTGGGCCTGGATTACA  
 CAGGCATCTCCTGGAAGGACAAGTTGCAGACCTTCGGTTGAAAATGGCTGAGAGGAACG  
 TCATGTGGTTTGGTCACTGCCTTGGATGAGATTGCGTGGCTATTTAATCTCCGAGGAT  
 CAGATGTGGAGCACAATCCAGTATTTTTCTCCTACGCAATCATAGGACTAGAGACGATCA  
 TGCTCTTCATTGATGGTGACCGCATAGACGCCCAAGTGTGAAGGAGCACCTGCTTCTTG  
 ACTTGGGTCTGGAAGCCGAATACAGGATCCAGGTGCATCCCTACAAGTCCATCCTGAGCG  
 AGCTCAAGGCCCTGTGTGCTGACCTCTCCCAAGGGAGAAGGTGTGGTCAAGTGAACAAGG  
 CCAGCTATGCTGTGAGCGAGACCATCCCAAGGACCACCGCTGCTGTATGCCTTACACCC  
 CCATCTGCATCGCAAAGCTGTGAAGAATTCAGCTGAGTCAGAAGGCATGAGGCGGGCTC  
 ACATTAAGATGCTGTTGCTCTCTGTGAACTCTTAACTGGCTGGAGAAAAGAGTTCCCA  
 AAGGTGGTGTGACAGAGATCTCAGCTGTGACAAAGCTGAGGAGTTTCGCAGGCAACAGG  
 CAGACTTTGTGGACCTGAGCTTCCCAACAATTTCCAGTACGGGACCCAACGGCGCCATCA  
 TTRACTACGCGCCAGTCCCTGAGACGAATAGGACCTTGTCCCTGGATGAGGTGTACCTTA  
 TTGACTCGGGTGTCAATACAAGGATGGCACCACAGATGTGACGCGGACAATGCATTTTG  
 GGACCCCTACAGCCTACGAGAAGGAATGCTTACATATGTCTCAAGGGCCACATAGCTG  
 TGAGTGCAGCCGTTTTCCCGACTGGAACCAAAGGTCACCTTCTTGACTCCTTTGCCCGTT  
 CAGCTTTATGGGATTGAGCCTAGATTACTTGCACGGGACTGGACATGGTGTGGGTCTT  
 TTTTGAATGTCCATGAGGGTCTTGCAGCATCAGTTACAAAACATTCTCTGATGAGCCCT  
 TGGAGGCAGGCATGATTGCTGACTGATGAGCCCGGGTACTATGAAGATGGGGCTTTTGAA  
 TTCGATTGAGAATGTTGCTTGTGGTTCCTGTGAAGACCAAGTATAATTTAATAACC  
 GGGGAAGCCTGACCTTTGAACCTTAACATTGGTTCCAATTCAGACCAAATGATAGATG  
 TGGATTCTTTACAGACAAGAGTGCAGCTGGCTCAACAATTACCACCTGACCTGCAGGG  
 ATGTGATTGGGAAGGAATTGCAGAAACAGGGCCCGCAGGAAGCTCTCGAGTGGCTCATCA  
 GAGAGACGCAACCCATCTCCAAACAGCATTAAATAACCTCCCCGGTTTTGTTTTGTGA  
 AAATGCTCTGGAGGAAGGAAGAAACGTGGCAGATCCCTGACATCTTCCCTTTCCCTTC  
 CTCTTTGATATTTATTGCAAACACTCAGTCTTTTATGATTTTTAATTGTTGAGAACAA  
 GCCAAGAATAAAATTTGCTGCACCAGAAGGAGGGTCCCTCCAAAGTTGAACACTTGGTGAA  
 AGGAAGATGCCCGACTTCTTTGGCCAGTATGGGAATCAGTGAAGTGTCCATGATGGT  
 CATGTTCCAGGTGCTAGTACATCATTGATGATCACCTAATGCTCATGAGACTATATTTA  
 TGATCAGTGAATAAAAATGTCAGAACTGTGAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_020383  
**Insert Size:** 2400 bp

<b>OTI Disclaimer:</b>	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>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_020383.
<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>NM_020383.2, NP_065116.2</u>
<b>RefSeq Size:</b>	2448 bp
<b>RefSeq ORF:</b>	1872 bp
<b>Locus ID:</b>	7511
<b>UniProt ID:</b>	<u>Q9NQW7</u>
<b>Cytogenetics:</b>	10q25.1
<b>Domains:</b>	Peptidase_M24
<b>Protein Families:</b>	Druggable Genome, Protease
<b>Gene Summary:</b>	<p>This gene encodes the cytosolic form of a metalloaminopeptidase that catalyzes the cleavage of the N-terminal amino acid adjacent to a proline residue. The gene product may play a role in degradation and maturation of tachykinins, neuropeptides, and peptide hormones. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Nov 2009]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>