

## Product datasheet for **SC329023**

### **XPNPEP1 (NM\_001167604) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	XPNPEP1 (NM_001167604) Human Untagged Clone
Tag:	Tag Free
Symbol:	XPNPEP1
Synonyms:	APP1; SAMP; XPNPEP; XPNPEPL; XPNPEPL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

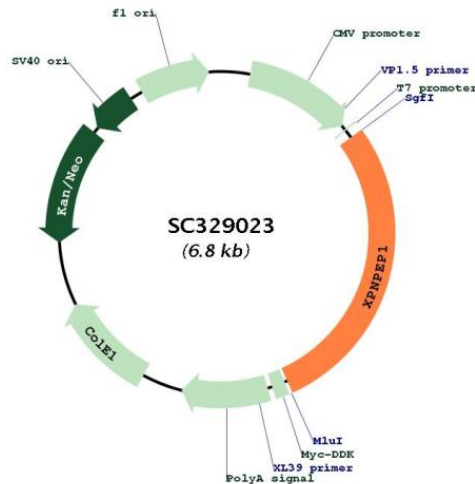


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Fully Sequenced ORF: >SC329023 representing NM\_001167604.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCAGCCTCCAGAAAGCCACCGCGAGTAAGGGTGAATCACCAGGATTTTCAACTGAGAAATTTAAGA
ATAATTGAACCTAACGAGGTGACACACTCAGGAGACACAGGTGTGAAACAGACGGCAGAATGCCTCCA
AAGGTGACTTCAGAGCTGCTTCGGCAGCTGAGACAAGCCATGAGGAACTCTGAGTATGTGACCGAACCG
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CGGGCTTTTGTCTCTGGATTTCGATGGCTCTGCGGGCACAGCCATCATCACAGAAGAGCATGCAGCCATG
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CACCTCATTCTGTCAAGGAGAACCTCGTTGACAAAATCTGGACAGACCGTCTGAGCGCCCTTGAAG
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AAAATGGCTGAGAGGAAGCTCATGTGGTTGTGGTCACTGCCTGGATGAGATTGCGTGGCTATTTAAT
CTCCGAGGATCAGATGTGGAGCACAATCCAGTATTTTTCTCTACGCAATCATAGGACTAGAGACGATC
ATGCTCTTCATTGATGGTGACCGCATAGACGCCCCAGTGTGAAGGAGCACCTGCTTCTTGACTTGGGT
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ATTCGCATTGAGAATGTTGTCCTTGTGGTTCCTGTGAAGACCAAGTATAATTTAATAACCGGGGAAGC
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AAAGAGTGCAGCTGGCTCAACAATTACCACCTGACCTGCAGGGATGTGATTGGGAAGGAATTGCAGAAA
CAGGGCCGCCAGGAAGCTCTCGAGTGGCTCATCAGAGAGACGCAACCCATCTCCAAAACAGCATTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001167604

**Insert Size:** 1929 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001167604.1](#)

**RefSeq Size:** 2485 bp

**RefSeq ORF:** 1929 bp

**Locus ID:** 7511

**UniProt ID:** [Q9NQW7](#)

**Cytogenetics:** 10q25.1

**Protein Families:** Druggable Genome, Protease

**MW:** 72.1 kDa

**Gene Summary:** 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]  
Transcript Variant: This variant (2) encodes isoform 2.