

## Product datasheet for **RN214514**

### **Senp2 (NM\_023989) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Senp2 (NM_023989) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Senp2
Synonyms:	Axam
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214514 representing NM\_023989  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTACAGATGGCTGACTAAGTTCTCGGCACCATTCTTCGTTGTGTGAGCGGCCCGCCCGGGGCC  
 GCGCCCTGCTCAAGAGGGCGCTCCAGCAGCTCTCTGTTTTCTACTGCAGTGGACTGATGAAATCCC  
 AGCTAAAAGACCAAGACTAGATTGCTTCATTACCAAGTGAAGAACAGTCTCTACAAATGCGGCCAGCTTA  
 TTTGGATTCCCATTCCAGCTGACCACAAACCCATGGTGTCTTCTGCTTGAATGGAACCGGAATGTGG  
 CCCCTTCAGGAGAGGTGTTCTCGAACTCTCCCTCTGTGAACTGACGACTTCTGGATCCTGCAGCAGCAT  
 GCTGAAGCTGGTAATAAATCTCCTAATGGAATAAGTGACTATCCAAAGATCAGAGTGACAGTGGCCGA  
 GATCAGCCACGGAGAGTCTGCCTTCTTTGGTTTTACATTGAAATCAGAAGGCTATAATAGAAGACCAA  
 GTGGCCGTCGCCATAGCAAAAGCAATCCAGAGAGTTCTTACCGTGAAACCTCAGGAGCAAGGTGTAAC  
 AGAGATGATTTCTGAAGAGGGTGGCAAGGGTGAAGGCGTCCCCATTGCACCGTGGAGGAGGGTGTCCAA  
 AAGGACGAAAGAGAAAAATACCTAAAGTTATTGGAGCGTCTTAAAGAGGGTGCTCACGGAAGCATTTC  
 CTCTGCAGTTTACATCATAGTTCTCAGAGAACGCAGATGGACACATTAAGACCAAAGGCTGGATGGA  
 AGAACAGAATCATGGAGTCAGAACCAACCCATTTGGTTCCCAAACAGTATAGAGTTGTTGAAACAAGAGGA  
 CCTCTCTGTTCAAGTGAAGTGAAGAGGATTTCAAAGGAAAAGCTGACACAGAGAAGGTGGTGGGAC  
 TCCGATTTGAAAAGGACGGTACAAGAGGACACCAGTTGGAGCCTGATCTGTCAGAAGAAGTGTCTGCCCG  
 GCTTCGCTGGGAAGTGAAGCAATGGCCTACTCAGAAGGAAAATATCAGTGCTTGAGGCAAAGGAAAAG  
 AACTTCCCAAGCAAAGAGAAGGACAGAAGAACAGAAGATCTCTTTGAACTTACAGAGGACATGAAAAGG  
 AAATCAGTAATGCCCTGGGCCATGGTCTCCAGATGAGATTTTGAGCAGCGCTTCAAGTTACGAATCAC  
 CCGTGGAGATATCCAGACCTTAAAGAACTATCACTGGCTCAATGATGAGGTCATTAATTTTTATATGAAT  
 CTTTTAGTGGAGAGGAGTAAAAAGCAAGGCTACCCAGCACTTCATGCACTCAGTACATTCTTCTATCCTA  
 AATTAAGTCTGGAGTTACCAAGCAGTAAAAGATGGACCAAAGGGTGAATCTCTTCGATCAAGAACT  
 TGTTCTGGTTCTATTTCATCGGAAGGTACATTGGAGCCTGGTGGTGGTGGACCTAAGAAAAAGTGTCTT  
 AAATATCTGGATTCTATGGGACAAAAGGCCACAGGATCTGTGAGATTCTTCTCAGTATTTACAGGACG  
 AAAGCAAGACCAAAGAAATACAGATCTCAATCTTTAGAGTGGACCCACTACAGCATGAAGCCACATGA  
 GATTCCTCAACAGTTGAATGGGAGTGATTGTGGAATGTTACTTGTAAATACGCAGATTATTTCTAGG  
 GACAAACCTATCACATTCCTCAGCACCAGATGCCTCTTCCGGAAGAAGATGGTGTGGGAAATCCTTC  
 ACCAGCAGTTGCT**GTA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_023989

**Insert Size:** 1767 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:** [NM\\_023989.1](#), [NP\\_076479.1](#)

**RefSeq Size:** 1808 bp

**RefSeq ORF:** 1767 bp

**Locus ID:** 78973

**UniProt ID:** [Q9EQE1](#)

**Cytogenetics:** 11q23

**Gene Summary:** binds the GSK-3beta interacting protein Axin; inhibits the Wnt signalling pathway via inhibition of Axin protein complex formation [RGD, Feb 2006]