

Product datasheet for **RR214514**

Senp2 (NM_023989) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR214514 representing NM_023989
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTACAGATGGCTGACTAAGGTTCTCGCACCATTCTTCGTTGTGTGAGCGGCCCGCCCGGGGCC
 CGGCCCTGCTCAAGAGGGCGCTCCAGCAGCTCTCTGTTTTCTACTGCAGTGGACTGATGAAATCCC
 AGCTAAAAGACCAAGACTAGATTGCTTCATTCACCAAGTGAAGAACAGTCTCTACATGCGGCCAGCTTA
 TTTGGATTCCCATTCCAGCTGACCACAAACCCATGGTGTCTTCTGCTTGAATGGAACACGGAATGTGG
 CCCCTTCAGGAGAGGTGTTCTCGAACTCTCCCTCTGTGAACTGACGACTTCTGGATCCTGCAGCAGCAT
 GCTGAAGCTGGTAATAAATCTCCTAATGGAATAAGTGACTATCCAAAGATCAGAGTGACAGTGGCCGA
 GATCAGCCACGGAGAGTCTGCCTTCTTTGGTTTTACATTGAAATCAGAAGGCTATAATAGAAGACCAA
 GTGGCCGTCGCCATAGCAAAAGCAATCCAGAGAGTTCTTACCGTGAAACCTCAGGAGCAAGGTGTAAC
 AGAGATGATTTCTGAAGAGGGTGGCAAGGGTCAAGGCGTCCCCATTGCACCGTGGAGGAGGGTGTCCAA
 AAGGACGAAAGAGAAAAATACCTAAAGTTATTGGAGCGTCTTAAAGAGGGTGCTCACGGAAGCACTTTTC
 CTCTGCAGTTTACATCATAGTTCTCAGAGAACGAGATGGACACATTAAGACCAAAGGCTGGATGGA
 AGAACAGAATCATGGAGTCAGAACAAACCCATTTGGTTCACCAACAGTATAGAGTTGTTGAAACAAGAGGA
 CCTCTCTGTTCAAGTGAAGTGAAGAGGATTTCAAAGGAAAAGCTGACACAGAGAAGGTGGTGGGAC
 TCCGATTTGAAAAGGACGGTACAAGAGGACACCAGTTGGAGCCTGATCTGTCAGAAGAAGTGTCTGCCCG
 GCTTCGCTGGGAAGTGAAGCAATGGCCTACTCAGAAGGAAAATACAGTGCTTGAGGCAAGGAAAAG
 AACTTCCAAGCAAAGAGAAGGACAGAAGAACAGAAGATCTCTTGAACCTACAGAGGACATGGAAGG
 AAATCAGTAATGCCCTGGCCATGGTCTCCAGATGAGATTTTGGAGCAGCGCTTCAAGTTACGAATCAC
 CCGTGGAGATATCCAGACCTTAAAGAACTACACTGGCTCAATGATGAGGTCATTAATTTTTATATGAAT
 CTTTTAGTGGAGAGGAGTAAAAAGCAAGGCTACCCAGCACTTCATGCACTCAGTACATTCTTCTATCCTA
 AATTAAGTCTGGAGTTACCAAGCAGTAAAAGATGGACCAAAGGGTGAATCTCTTCGATCAAGAACT
 TGTTCTGGTTCCTATTCATCGGAAGGTACATTGGAGCCTGGTGGTGGTGGACCTAAGAAAAAGTGTCTT
 AAATATCTGGATTCTATGGGACAAAAGGCCACAGGATCTGTGAGATTCTTCTCAGTATTTACAGGACG
 AAAGCAAGACCAAAGAAAATACAGATCTCAATCTTTAGAGTGGACCCACTACAGCATGAAGCCACATGA
 GATTCCTCAACAGTTGAATGGGAGTGATTGTGGAATGTTACTTGTAAATACGCAGATTATTTCTAGG
 GACAAACCTATCACATTCCTCAGCACCAGATGCCTCTTCCGGAAGAAGATGGTGTGGGAAATCCTTC
 ACCAGCAGTTGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214514 representing NM_023989
 Red=Cloning site Green=Tags(s)

MYRWLTKVLGTLRLCERPAPGARALLKRRRSSSLFSTAVDTDEIPAKRPRLDCFHQVKNSLYNAASL
 FGFPPQLTTKPMVSSACNGTRNVAPSGEVFSNSPSCLETTSGSCSSMLKLGKSPNGISDYPKIRVTVAR
 DQPRRVLPSFGFTLKSEGYNRRPSGRRHSKSNPESSLPWKPQEQGVTEMISEEGKGARRPHCTVEEGVQ
 KDEREYKLLERLKEGAGHSTFPPAVSHSSQRTQMDTLKTKGWMEEQNHGVRTTHLVPKQYRVVETRG
 PLCSVRSEKRYSGKADTEKVVGLRFEKDGTRGHQLEPDLSEEVSARLRLGSGSNGLLRRKISVLEAKEK
 NFPSKEKDRRTEDLFELTEDMEKEISNALGHGPPDEILSSAFKLRITRGDIQTLKKNYHWNDEVINFYMN
 LLVERSKKQGYPALHALSTFFYPKLSGGYQAVKRWTGKVNLFQELVLPVPIHRKVHWSLVVMDLRKKCL
 KYLDSMGQKGRICEILLQYLQDESKTKRNTDLNLEWTHYSMPHEIPQQLNGSDCGMFTCKYADYISR
 DKPITFTQHQMPLFRKKMWEILHQQLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_023989

ORF Size: 1764 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

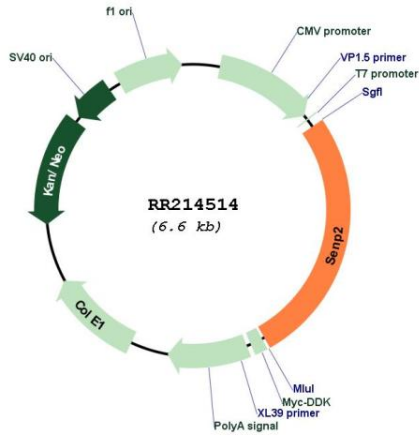
RefSeq ORF: 1767 bp

Locus ID: 78973

UniProt ID: [Q9EQE1](#)

Cytogenetics: 11q23
MW: 67.3 kDa
Gene Summary: binds the GSK-3beta interacting protein Axin; inhibits the Wnt signalling pathway via inhibition of Axin protein complex formation [RGD, Feb 2006]

Product images:



Circular map for RR214514