

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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTACAGATGGCTGACTAAGGTTCTCGCACCATTCTTCGTTGTGTGAGCGGCCCGCCCGGGGCC
 CGGCCCTGCTCAAGAGGGCGCTCCAGCAGCTCTCTGTTTTCTACTGCAGTGGACTGATGAAATCCC
 AGCTAAAAGACCAAGACTAGATTGCTTCATTCACCAAGTGAAGAACAGTCTCTACAAATGCGGCCAGCTTA
 TTTGGATTCCCATTCCAGCTGACCACCAAAACCCATGGTGTCTTCTGCTTGAATGGAACACGGAATGTGG
 CCCCTTCAGGAGAGGTGTTCTCGAACTCTCCCTCTGTGAACTGACGACTTCTGGATCCTGCAGCAGCAT
 GCTGAAGCTGGTAATAAATCTCCTAATGGAATAAGTACTATCCAAAGATCAGAGTGACAGTGGCCGA
 GATCAGCCACGGAGAGTCTGCCTTCTTTGGTTTTACATTGAAATCAGAAGGCTATAATAGAAGACCAA
 GTGGCCGTCGCCATAGCAAAAGCAATCCAGAGAGTTCCTTACCGTGAAACCTCAGGAGCAAGGTGTAAC
 AGAGATGATTTCTGAAGAGGGTGGCAAGGGTGAAGGCGTCCCCATTGCACCGTGGAGGAGGGTGTCCAA
 AAGGACGAAAGAGAAAAATACCTAAAGTTATTGGAGCGTCTTAAAGAGGGTGCTCACGGAAGCACTTTTC
 CTCTGCAGTTTACATCATAGTTCTCAGAGAACGCAGATGGACACATTAAGACCAAAGGCTGGATGGA
 AGAACAGAATCATGGAGTCAGAACAAACCCATTTGGTTCCCAAACAGTATAGAGTTGTTGAAACAAGAGGA
 CCTCTCTGTTCAAGTGAAGTGAAGAGGATTCAAAAGGAAAAGCTGACACAGAGAAGGTGGTGGGAC
 TCCGATTTGAAAAGGACGGTACAAGAGGACACCAGTTGGAGCCTGATCTGTCAGAAGAAGTGTCTGCCCG
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 AATTAAGTCTGGAGTTACCAAGCAGTAAAAGATGGACCAAAGGGTGAATCTCTTCGATCAAGAACT
 TGTCTGGTTCTATTTCATCGGAAGGTACATTGGAGCCTGGTGGTATGGACCTAAGAAAAAGTGTCTT
 AAATATCTGGATTCTATGGGACAAAAGGCCACAGGATCTGTGAGATTCTTCTCAGTATTTACAGGACG
 AAAGCAAGACCAAAGAAATACAGATCTCAATCTTTAGAGTGGACCCACTACAGCATGAAGCCACATGA
 GATTCCTCAACAGTTGAATGGGAGTATTGTGGAATGTTACTTGTAAATACGCAGATTATTTCTAGG
 GACAAACCTATCACATTCCTCAGCACCAGATGCCTCTTCCGGAAGAAGATGGTGTGGGAAATCCTTC
 ACCAGCAGTTGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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

MYRWLTKVLGTLRLCERPAPGARALLKRRRSSSLFSTAVDTDEIPAKRPRLCDFIHQVKNLSLYNAASL
 FGPFQLTTPMVSSACNGTRNVAPSGEVF SNSPSCLETTSGSCSSMLKLGKSPNGISDYPKIRVTVAR
 DQPRRVLPSPGFGLKSEGYNRRPSGRRHSKSNPESSLPWKPQEQGVTEMI SEEGGKGARRPHCTVEEGVQ
 KDEREKYLKLLERLKEGAHGSTFPPAVSHSSQRTQMDTLKTKGWMEEQNHGVRTTHLVPKQYRVVETRG
 PLCSVRSEKRYSKGKADTEKVVGLRFEKDGTRGHQLEPDLSEEVSARLRLGSGSNGLLRRKISVLEAKEK
 NFPSKEKDRRTEDLFELTEDMEKEISNALGHGPPDEILSSAFKLRITRQDIQTLKNYHWLNDEVINFYMN
 LLVERSKQGYPALHALSTFFYPKLSGGYQAVKRWTKGVNLFQELVLVPIHRKVHWSLVVMDLRKKCL
 KYLDMSGQKGRICEILLQYLQDESKTKRNTDLNLEWTHYSMPHEIPQQLNGSDCGMFTCKYADYISR
 DKPITFTQHQMPLFRKKMVWEILHQQLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

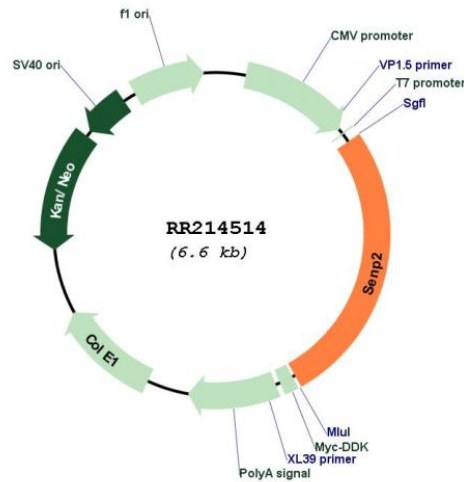
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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]