

Product datasheet for **RR212131**

Snx2 (NM_001106135) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snx2 (NM_001106135) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snx2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212131 representing NM_001106135
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCTGAGAGGGAACCTCCTCCGCTGGGAGACGTGAAGCCACCGACTTTGAGGAGCTGGAGGACG
 GAGAGGACCTGTTCAACGACTGTCTCCACACTTGAGTCAAGTCCATCATCTCCTGAACCGCCAGTCT
 TCCTGCAGAAGATATTAGTGCAAACTCTAACGGCTCCAGACCTGTAGAAGTCACACTAGACGATGACAGA
 GAAGATCTTTTCGCAGAAGCCACAGAAGAGGTGTCTCTGGACAGTCCAGAAAAGAGAGCCTATCATGTCT
 CCGAGCCATCTCCTGCAGTCACTCCTATCACTCCCACCACTCATTGCTCCTAGAATTGAATCAAAGAG
 TATTTCTGCTCCAGTCACTTTGACAGATCCAGGGAAGAGATTGAAGAAGAAGCAAATGGAGATATTTTT
 GATATAGAAATTTGGTGTGCAGATCCGGAAAAAGTTGGTATGGCATGAATGCTTACATGGCATATAGAG
 TAACAACCAAGACTTCTCTTTCCATGTTCAAGTAAAGTGAATTTTCAGTCAAAGAAGATTCACTGACTT
 TCTTGGTTTGCATAGCAAATTAGCAAGCAAATATTTACATGTTGGTTACATTGTGCCACCACTCCAGAA
 AAGAGCATAGTAGGTATGACCAAGGTCAAAGTAGGTAAAGAAGACTCATCGTCCACTGAGTTTGTAGAAA
 AACGAAGAGCAGCACTGGAGAGGTATCTTCAAAGAACAGTAAAGCATCCAACATTGCTTCCAGGATCTGA
 CTTAAGGCAGTCTTGGAAAGCTCAGAGCTGCCGAGAGCAGTTAATACACAGGCTCTGAGTGGAGCAGGA
 ATATTGAGGATGGTGAACAAGGCTGCCGACGCTGTCAACAAAAAGACAATCAAGATGAATGAATCGGATG
 CATGGTTTGAAGAAAAGCAACAGCAATTTGAGAATCTTGACCAGCAACTTCGAAACTTCATGCCAGTGT
 CGAAGCCTTGGTCTGTATAGAAAAGAACTTTAGCAACACAGCTGCCTTTGCTAAGAGTGTGCCATG
 CTAGGTAATCTGAGGACCATACTGCTCTCTAGAGCTTTGTCTCAGCTCGCAGAGGTTGAGGAGAAGA
 TAGACCAGTTACATCAAGAGCAAGCGTTTGTGACTTTTACATGTTCTCAGAACTTCTTAGTGACTACAT
 TCGTCTCATTGCTGCAGTGAAGGTGTGTTTACCATCGGATGAAATGCTGGCAGAAATGGGAAGATGCT
 CAAATTAATTTGCTCAAAAAACGTGAAACTGAGGCAAAAATGATGGTCGTAACAAAACAGATAAAAATTC
 AACAAAGCTAAAAATGAAATAAGAGAGTGGGAGGCAAAAAGTACAACAAGGAGAGAGAGATTTTGGAGAT
 CTCTAAAAACAATTCGAAAAGAAGTGGGAAGATTTGAGAAAAGACGAGTGAAGATTTTAAAGCTGTTATC
 ATCAAGTACTTGGAAATCATTAGTACAAACACAGCAACAGCTGATAAAGTACTGGGAGGCATTCTACCTG
 AAGCCAAAGCCATTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212131 representing NM_001106135
 Red=Cloning site Green=Tags(s)

MAAEREPPPLGDVKPTDFEELDGEDLFTSTVSTLESSPSSPEPASLPAEDISANSNGSRPVEVTLDDDR
 EDLFAEATEEVSLDSPEREPIMSSEPSAVTPIPTTLIAPRIESKISAPVIFDRSREEIEEEANGDIF
 DIEIGVSDPEKVGDMNAYMAYRVTTKTSLSMFSKSEFSVKRRFSDFLGLHSLKASKYLHVGYIVPPAPE
 KSIIVGMTKVKVGEDSSSTEFVEKRRALERYLQRTVKHPTLLQDPDLRQFLESSELPRVNTQALSGAG
 ILRMVNKAADAVNKMTIKMNESDAWFEEKQQFENLDQQLRKLHASVEALVCHRKELSANTAFAKSAAM
 LGNSEDHTALSRALSQLAEVEEKIDQLHQEQAFADFYMFSELLSDYIRLIAAVKGVFDHRMKCWQKWEDA
 QITLLKKRETEAKMMVANKPDKIQQAKNEIREWEAKVQQGERDFEQISKIRKEVGRFEKERVKDFKA
 IKYLESLVQTQQQLIKYWEAFLPEAKAIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

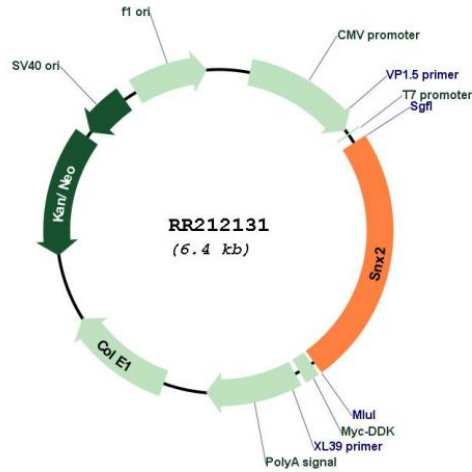
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001106135
ORF Size:	1557 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_001106135.2](#), [NP_001099605.2](#)

RefSeq Size: 2049 bp

RefSeq ORF: 1560 bp

Locus ID: 291464

Cytogenetics: 18q11

MW: 58.5 kDa