

Product datasheet for **RR215930**

Snrpc (NM_001271040) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Snrpc (NM_001271040) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Snrpc
Synonyms: Snrp1c; U1-C; U1C
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215930 representing NM_001271040
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCAAGTTTTATTGTGACTACTGTGATACGTATCTTACCCACGATTCTCCGTCTGTGAGGAAGACAC
ACTGCAGTGGTCGAAACACAAAGAGAATGTGAAAGACTATTACCAGAAATGGATGGAAGAACAGGCCCA
GAGCCTGATTGACAAAACAACGGCTGCATTTCAACAAGGAAAGATCCCTCCAGCTCCGTTCTCTGCTCCT
CCGCCTGCAGGGCCATGATCCCGCTCCCCCAGTCTCCGGGTCTCCTCGGCCTGGCATGATGCCTG
CACCCACATGGGAGGCCCTCCCATGATGCCAATGATGGGCCCCCTCCTCCTGGGATGATGCCTGTGGG
ACCAGCTCCTGGGATGAGACCACCCATGGGAGGCCATATGCCATGATGCCCGGGCTCCAATGATGAGA
CTCCCGCCCGCCTATGATGGTGCCACACGGCTGGCATGACCCGGCCAGACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215930 representing NM_001271040
Red=Cloning site **Green**=Tags(s)

MPKFYCDYCDTYLTHDSPSVRKTHCSGRKHKENVKDYQKWMEEQAQSLIDKTTAAFQQGIKIPAPFSAP
PPAGAMIPPPSLPGPPRPGMMPAPHMGGPPMMPMPMPMPMPMPMPMPMPMPMPMPMPMPMPMPMPMP
PPARPMVPTPRGMTRPDR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

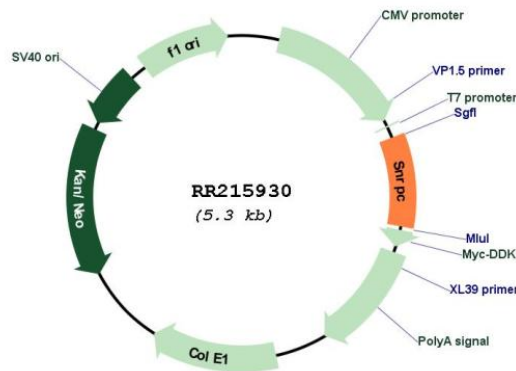
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001271040

ORF Size: 477 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.

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| 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: | <u>NM_001271040.1, NP_001257969.1</u> |
| RefSeq Size: | 1072 bp |
| RefSeq ORF: | 480 bp |
| Locus ID: | 361808 |
| UniProt ID: | <u>D3ZCL3</u> |
| Cytogenetics: | 20p12 |
| MW: | 17.4 kDa |
| Gene Summary: | Component of the spliceosomal U1 snRNP, which is essential for recognition of the pre-mRNA 5' splice-site and the subsequent assembly of the spliceosome. SNRPC/U1-C is directly involved in initial 5' splice-site recognition for both constitutive and regulated alternative splicing. The interaction with the 5' splice-site seems to precede base-pairing between the pre-mRNA and the U1 snRNA. Stimulates commitment or early (E) complex formation by stabilizing the base pairing of the 5' end of the U1 snRNA and the 5' splice-site region. [UniProtKB/Swiss-Prot Function] |