

Product datasheet for **RR201341**

Snrpn (NM_031117) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Snrpn (NM_031117) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Snrpn
Synonyms: FE 294; FE294; FE 294 psi; FE294 psi
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR201341 representing NM_031117
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTGTGGTAAGAGTAGCAAGATGCTCCAGCATATTGACTATAGAATGAGATGTATCCTGCAAGATG
GAAGAATCTTCATTGGCACCTTTAAGGCTTTTGACAAGCATATGAATTTGATCCTCTGTGATTGTGATGA
GTTTCAGGAAGATCAAGCCAAAGAATGCAAACAGCCAGAACGTGAAGAAAAACGGTTTTGGGTCTGGTC
TTGCTACGTGGAGAGAACTTGGTTCCATGACAGTGGAGGGTCCACCTCCTAAAGATACTGGCATTGCTC
GTGTGCCACTTGTGGTGTGCAGTGGCCCTGGTGTGGAAGAGCAGCTGGCAGAGGAGTACCAGCAGG
TGTACCTATCCCAAGCTCCTGCTGGATTAGCAGGCCCTGTCCGAGGAGTTGGAGGCCATCCAGCAG
GTCATGACCCACAGGAAGAGGCACTGTTGCAGCTGCTGCTGTTGCTGCTACTGCTAGCATTGCAGGAG
CCCAACCCAGTACCCGCCAGGACGGGAACTCCACCTCCACCTGTAGGCAGAGCAACCCACCTCCAGG
CATTATGGCTCCTCCACCTGGAATGAGACCACCCATGGGCCACCAATTGGACTTCCCCCTGCTCGAGGG
ACACCTATAGGCATGCCCCCTCCAGGAATGAGACCCCTCCTCCAGGAATTAGAGGCCACCTCCCCAG
GAATGCGTCCACCAAGACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201341 representing NM_031117
Red=Cloning site Green=Tags(s)

MTVGKSSKMLQHIDYRMCILQDGRIFIGTFKAFDKHMNLLCDCDEFKIKPKNAKQPEREEKRVLGLV
 LLRGENLVSMTEGPPPKDTGIARVPLAGAAGGPGVGRAAGRGVPAGVPIQAPAGLAGPVRGVGGPSQQ
 VMTPQGRGTVAANAATAASIAGAPTQYPPGRGTTPPPVGRATPPPGIMAPPPGMRPPMGPPIGLPPARG
 TPIGMPPPGMRPPPPGIRGPPPPGMRPPRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2138_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_031117

ORF Size: 720 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_031117.2](#), [NP_112379.1](#)

RefSeq Size: 1428 bp

RefSeq ORF: 723 bp

Locus ID: 81781

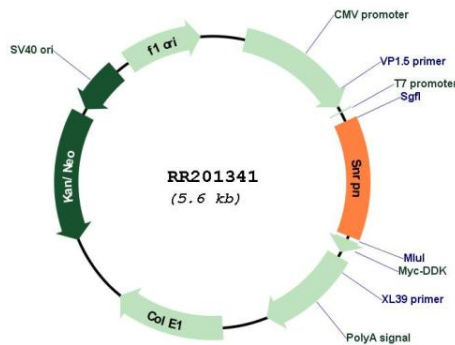
UniProt ID: [P63164](#)

Cytogenetics: 1q36

MW: 25.1 kDa

Gene Summary: component of the small nuclear ribonucleoprotein (snRNP) complex; may be involved in tissue-specific alternative RNA processing events, such as pre-mRNA splicing [RGD, Feb 2006]

Product images:



Circular map for RR201341