

## Product datasheet for MR203914

### Snrpa (NM\_001046637) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Snrpa (NM_001046637) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snrpa
Synonyms:	C430021M15Rik; Rnu1a-1; Rnu1a1; U1-A; U1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203914 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCACCATAGCCACCATGCCAGTTCGCCGAGACCCGTGCCAACACACTATTTATATCAACAATCTCA  
ATGAGAAGATCAAGAAGGATGAGCTCAAGAAGTCCCTGTATGCCATCTTCTCCAGTTTGGCCAGATCCT  
GGATATCCTGGTGTCTCGGATCATGAAGATGAGGGGCCAGGCCTTCGTCATCTTCAAGGAGGTACCAGC  
GCCACCAATGCCCTGCGCTCCATGCAGGGCTTCCCTTTCTACGACAAGCCATGCGCATCCAGTACGCAA  
AGACTGACTCGGACATCATTGCCAAGATGAAGGGCACCTATGTGGAGAGAGATCGCAAACGAGAGAAGAG  
GAAGCCCAAGAGTCAGGAGACACCTGCTGCCAAAAGGCTGTTCAGGGTGGGGCAGCTGCGCCCGTGGT  
GGGGCTGTCCAGCCCGTACCGGGCATGCCACCGATGCCTCAGGCACCCCGCATATGCACCATATGCCAG  
GACAGCCTCCCTACATGCCGCCACCTGGCATGATCCCGCCACCGGCCTCGCTCCTGGCCAGATCCCCC  
TGGGGCCATGCCCCACAGCAGCTCATGCCTGGGAGATGCCGCCTGCCAGCCTCTCTCCGAGAACCCA  
CCAATCACATCCTGTTCCCTACCAACCTGCCTGAGGAGACCAACGAGCTCATGCTCTCCATGCTTTCA  
ACCAAGTCCCTGGCTTCAAGGAGGTGCGTCTGGTCCCTGGGCGCCATGACATCGCCTTCGTGGAGTTGA  
CAATGAAGTGCAGGCTGGGGCAGCACGAGATGCCCTGCAAGGCTTTAAGATCACAAAAACAATGCTATG  
AAGATCTCTTTTGCCAAGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR203914 protein sequence  
 Red=Cloning site Green=Tags(s)  
 MATIATMPVPETRANHTIYINNLNKIKKDELKKSLEYAIFSQFGQILDILVSRIMKMRGQAFVIFKEVTS  
 ATNALRSMQGFPPFYDKPMRIQYAKTDSDI AKMKGTYYVERDRKREKRKPKSQETPAAKKAVQGGAAAPVV  
 GAVQPVPGMPPMPQAPRIMHHMPGQPPYMPPPGMI PPPGLAPGQIPPGAMPPQQLMPGQMPPAQP LSENP  
 PNHILFLTNLPEETNELML SMLFNQFPGFKEVRLVPGRHDIAFVEFDNEVQAGAARDALQGFKITQNNAM  
 KISFAKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001046637

**ORF Size:** 864 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\\_001046637.1](#), [NP\\_001040102.1](#)

**RefSeq Size:** 1305 bp

**RefSeq ORF:** 864 bp

**Locus ID:** 53607

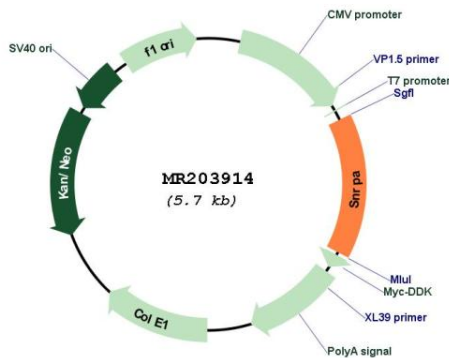
**UniProt ID:** [Q62189](#)

**Cytogenetics:** 7 A3

**MW:** 31.8 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. U1 snRNP is the first snRNP to interact with pre-mRNA. This interaction is required for the subsequent binding of U2 snRNP and the U4/U6/U5 tri-snRNP. SNRPA binds stem loop II of U1 snRNA. In a snRNP-free form (SF-A) may be involved in coupled pre-mRNA splicing and polyadenylation process. May bind preferentially to the 5'-UGCAC-3' motif on RNAs (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR203914