

## Product datasheet for **MG203911**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Snrpa (NM\_001046637) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Snrpa  
**Synonyms:** C430021M15Rik; Rnu1a-1; Rnu1a1; U1-A; U1A  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG203911 representing NM\_001046637  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCACCATAGCCACCATGCCAGTCCCGAGACCCGTGCCAACACACTATTTATATCAACAATCTCA  
ATGAGAAGATCAAGAAGGATGAGCTCAAGAAGTCCCTGTATGCCATCTTCTCCAGTTGGCCAGATCCT  
GGATATCCTGGTGTCTCGGATCATGAAGATGAGGGCCAGGCCTTCGTCATCTTCAAGGAGGTCACCAGC  
GCCACCAATGCCCTGCGCTCCATGCAGGGCTTCCCTTTCTACGACAAGCCATGCGCATCCAGTACGCAA  
AGACTGACTCGGACATCATTGCCAAGATGAAGGGCACCTATGTGGAGAGAGATCGCAAACGAGAGAAGAG  
GAAGCCCAAGAGTCAGGAGACACCTGCTGCCAAAAGGCTGTTCAGGGTGGGGCAGCTGCGCCCGTGGTG  
GGGGCTGTCCAGCCCGTACCGGGCATGCCACCGATGCCTCAGGCACCCCGCATATGCACCATATGCCAG  
GACAGCCTCCCTACATGCCGCCACCTGGCATGATCCCGCCACCGGCCTCGCTCCTGGCCAGATCCCCC  
TGGGGCCATGCCCCACAGCAGCTCATGCCTGGGCAGATGCCGCCTGCCAGCCTCTCTCCGAGAACCCA  
CCAATCACATCCTGTTCCCTACCAACCTGCCTGAGGAGACCAACGAGCTCATGCTCTCCATGCTTTCA  
ACCAGTCCCTGGCTTCAAGGAGGTGCGTCTGGTCCCTGGGCGCCATGACATCGCCTTCGTGGAGTTGA  
CAATGAAGTGCAGGCTGGGGCAGCACGAGATGCCCTGCAAGGCTTTAAGATCACACAAAACAATGCTATG  
AAGATCTCTTTTGCCAAGAAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203911 representing NM\_001046637  
Red=Cloning site Green=Tags(s)

MATIATMPVPETRANHTIYINNLNKIKKDELKKSLEYAIFSQFGQILDILVSRIMKMRGQAFVIFKEVTS  
 ATNALRSMQGFPPYDKPMRIQYAKTDSDI AKMKGTIVERDRKREKRKPKSQETPAAKKAVQGGAAAPVV  
 GAVQPVPGMPPMPQAPRIMHHMPGQPPYMPPPGMIPPPGLAPGQIPPGAMPPQQLMPGQMPPAQPLSENP  
 PNHILFLTNLPEETNELML SMLFNQFPGFKEVRLVPRHDI AFVEFDNEVQAGAARDALQGFKITQNNAM  
 KISFAKK

TRTRPLE - GFP Tag - V

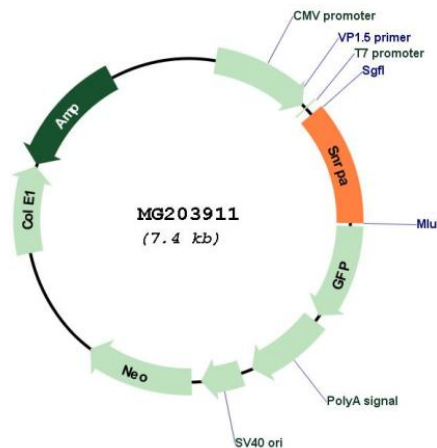
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001046637

**ORF Size:** 861 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001046637.1</a> , <a href="#">NP_001040102.1</a>
<b>RefSeq Size:</b>	1305 bp
<b>RefSeq ORF:</b>	864 bp
<b>Locus ID:</b>	53607
<b>UniProt ID:</b>	<a href="#">Q62189</a>
<b>Cytogenetics:</b>	7 A3
<b>Gene Summary:</b>	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]