

Product datasheet for **MG201213**

Snrpc (NM_011432) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Snrpc (NM_011432) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Snrpc
Synonyms: Snrp1c; U1-C; U1C
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201213 representing NM_011432
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCAAGTTTTATTGTGACTACTGTGATACGTATCTTACCCACGATTCTCCATCTGTGAGGAAGACAC
 ACTGCAGTGGTCGAAACACAAAGAGAATGTGAAAGACTATTATCAGAAATGGATGGAAGAGCAGGCCCA
 GAGCCTGATTGACAAGACAACGGCTGCATTTCAACAAGGGAAGATCCCTCCTGCTCCGTTCTCTGCTCCT
 CCGCTGCAGGGCCATGATCCACCTCCCCCAGTCTCCGGGCCCTCCTCGGCCTGGCATGATGCCTG
 CCCCCACATGGGAGGCCCTCCCATGATGCCAATGATGGGCCCCCTCCGCCGGAATGATGCCCGTGGG
 ACCAGCTCCTGGGATGAGACCACCCATGGGAGGCCACATGCCCATGATGCCCGGACTCCCATGATGAGA
 CCTCCTGCCCGCCCTATGATGGTGCCACCCGGCCTGGCATGACCCGGCCAGACAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201213 representing NM_011432
 Red=Cloning site Green=Tags(s)

MPKFYCDYCDTYLTHDPSVRKTHCSGRKHKENVKDYQKWMEEQAQSLIDKTTAAFQQGKIPPAPFSAP
 PPAGAMIPPPSLPGPPRPGMMPAPHMGGPPMMPMPMPMPMPVGPAPGMRPPMGHMPMPGPPMMR
 PPARPMMVPTRPGMTRPDR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

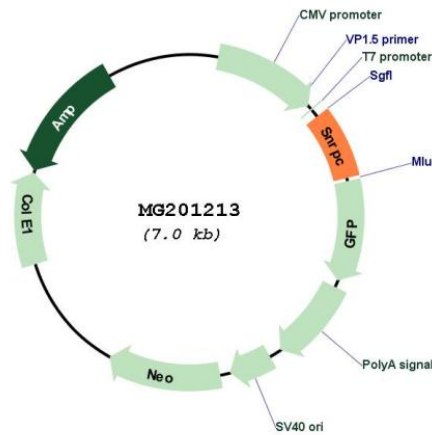


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Cloning Scheme:



Plasmid Map:



ACCN: NM_011432

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.

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_011432.2</u> , <u>NP_035562.1</u>
RefSeq Size:	775 bp
RefSeq ORF:	480 bp
Locus ID:	20630
UniProt ID:	<u>Q62241</u>
Cytogenetics:	17 A3.3
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]