

# **Product datasheet for MG220563**

## Snrpg (NM\_026506) Mouse Tagged ORF Clone

## **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Snrpg (NM\_026506) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Snrpg

**Synonyms:** 2810024K17Rik; AL022803; sm-G; SMG; snRNP-G

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG220563 representing NM\_026506

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAGCAAAGCCCACCCTCCCGAGCTGAAGAAGTTTATGGACAAGAAGTTATCATTGAAGTTAAACGGTG GCAGGCATGTCCAAGGAATACTGCGGGGCTTTGATCCCTTTATGAACCTTGTGATTGACGAGTGTGTGGA GATGGCAACCAGTGGGCAACAGAACAACATTGGCATGGTGGTCATCCGAGGAAACAGCATCATCATGTTA

GAAGCCTTGGAAAGAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG220563 representing NM\_026506

Red=Cloning site Green=Tags(s)

 ${\tt MSKAHPPELKKFMDKKLSLKLNGGRHVQGILRGFDPFMNLVIDECVEMATSGQQNNIGMVVIRGNSIIML}$ 

**EALERV** 

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



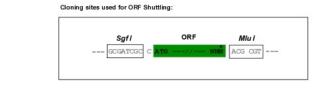
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

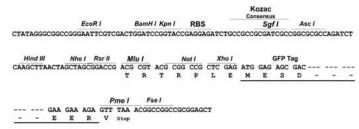
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

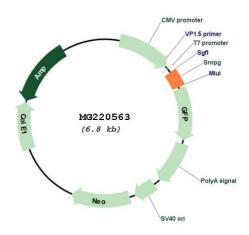


#### **Cloning Scheme:**





### Plasmid Map:



**ACCN:** NM\_026506 **ORF Size:** 228 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

#### Snrpg (NM\_026506) Mouse Tagged ORF Clone - MG220563

**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: <u>NM 026506.2</u>, <u>NP 080782.1</u>

 RefSeq Size:
 393 bp

 RefSeq ORF:
 231 bp

 Locus ID:
 68011

 UniProt ID:
 P62309

 Cytogenetics:
 6 D1

**Gene Summary:** Plays role in pre-mRNA splicing as core component of the SMN-Sm complex that mediates

spliceosomal snRNP assembly and as component of the spliceosomal U1, U2, U4 and U5

small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome.

Component of both the pre-catalytic spliceosome B complex and activated spliceosome C complexes. Is also a component of the minor U12 spliceosome. As part of the U7 snRNP it is

involved in histone 3'-end processing.[UniProtKB/Swiss-Prot Function]