

## 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 Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG220563 representing NM\_026506  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCAAAGCCACCCTCCCGAGCTGAAGAAGTTTATGGACAAGAAGTTATCATTGAAGTTAAACGGTG  
GCAGGCATGTCCAAGGAATACTGCGGGCTTTGATCCCTTTATGAACCTTGTGATTGACGAGTGTGTGGA  
GATGGCAACCAGTGGCAACAGAACAACATTGGCATGGTGGTCATCCGAGGAAACAGCATCATCATGTTA  
GAAGCCTTGAAAGAGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG220563 representing NM\_026506  
Red=Cloning site Green=Tags(s)  
MSKAHPPELKKFMDKLSLKLNGGRHVQIGILRGFDPFMNLVIDECVEMATSGQQNNIGMVVIRGNSIIML  
EALERV

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



[View online »](#)



|                               |  |
|-------------------------------|--|
| <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_026506.2</a> , <a href="#">NP_080782.1</a>  |
| <b>RefSeq Size:</b>           | 393 bp   |
| <b>RefSeq ORF:</b>            | 231 bp   |
| <b>Locus ID:</b>              | 68011  |
| <b>UniProt ID:</b>            | <a href="#">P62309</a>   |
| <b>Cytogenetics:</b>          | 6 D1   |
| <b>Gene Summary:</b>          | 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] |