

## Product datasheet for **MG200559**

### **Snrpd1 (NM\_009226) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Snrpd1 (NM\_009226) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Snrpd1  
**Synonyms:** AA407109; AL023031; SMD1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG200559 representing NM\_009226  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCTCGTGAGATTTTGTGAAATTGAGTCATGAACTGTAACCATTGAATTGAAGAATGGGACAC  
AAGTCCATGGAACAATCACAGGTGTAGATGTCAGCATGAACACACACCTTAAAGCTGTGAAATGACCCCT  
GAAGAACAGAGAACCTGTACAGTTGGAACATTGAGTATTCGAGGCAATAACATTCGGTATTTTATTCTA  
CCAGACAGCTTACCTCTAGATACACTACTTGTGGATGTTGAACCTAAGGTGAAGTCTAAGAAAAGAGAAG  
CTGTTGCAGGAAGAGGCCGAGGCCGGGTAGAGGAAGAGGACGTGGTCGTGGCAGAGGAAGAGGGGTCC  
TAGGCGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG200559 representing NM\_009226  
Red=Cloning site Green=Tags(s)  
MKLVRFMLKLSHETVTIELKNGTQVHGTITGVDVSMNTHLKAVKMTLKNREPVQLETLSIRGNNIRYFIL  
PDSLPLDTLLVDVEPKVKSCKREAVAGRGRGRGRGRGRGRGRGRGPPRR

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<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_009226.4</a> , <a href="#">NP_033252.1</a>
<b>RefSeq Size:</b>	838 bp
<b>RefSeq ORF:</b>	360 bp
<b>Locus ID:</b>	20641
<b>UniProt ID:</b>	<a href="#">P62315</a>
<b>Cytogenetics:</b>	18 A1
<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. May act as a charged protein scaffold to promote snRNP assembly or strengthen snRNP-snRNP interactions through non-specific electrostatic contacts with RNA.[UniProtKB/Swiss-Prot Function]