

## Product datasheet for MR200559

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Snrpd1 (NM\_009226) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Snrpd1  
**Synonyms:** AA407109; AL023031; SMD1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200559 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGCTCGTGAGATTTTTGATGAAATTGAGTCATGAACTGTAACCATTGAATTGAAGAATGGGACAC  
 AAGTCCATGGAACAATCACAGGTGTAGATGTCAGCATGAACACACACCTTAAAGCTGTGAAAATGACCC  
 GAAGAACAGAGAACCTGTACAGTTGAAACATTGAGTATTCGAGGCAATAACATTCGGTATTTTATTCTA  
 CCAGACAGCTTACCTCTAGATACACTACTTGTGGATGTTGAACCTAAGGTGAAGTCTAAGAAAAGAGAAG  
 CTGTTGCAGGAAGAGGCCGAGCCGGGGTAGAGGAAGAGGACGTGGTCGTGGCAGAGGAAGAGGGGGTCC  
 TAGGCGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200559 protein sequence  
 Red=Cloning site Green=Tags(s)  
 MKLVRFLMKLSHETVTIELKNGTQVHGTITGVDVSMNTHLKAVKMTLKNREPVQLETLSIRGNNIRYFIL  
 PDSLPLDITLLVDVEPKVSKKREAVAGRGRGRGRGRGRGRGRGRGPPR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_009226

**ORF Size:** 357 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:**
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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_009226.4](#), [NP\\_033252.1](#)

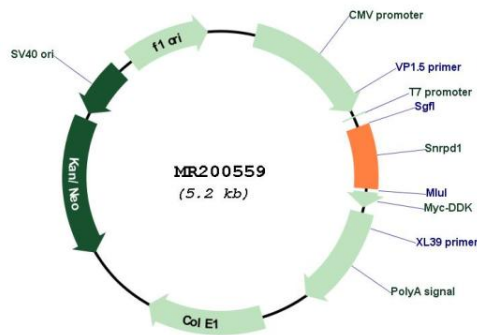
**RefSeq Size:** 837 bp

RefSeq ORF: 360 bp  
 Locus ID: 20641  
 UniProt ID: [P62315](#)  
 Cytogenetics: 18 A1  
 MW: 13.3 kDa

**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. 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]

**Product images:**



Circular map for MR200559