

## Product datasheet for MR202952

### Snrpn (NM\_001082962) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Snrpn (NM_001082962) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snrpn
Synonyms:	2410045I01Rik; HCERN3; Peg; Peg4; Pwc; sm-D; SMN; snRNP-N
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202952 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTGTGGTAAGAGTAGCAAGATGCTGCAGCACATTGACTATAGGATGAGATGTATCCTGCAAGATG  
GGAGAATCTTCATTGGCACCTTCAAGGCTTTTGACAAGCATATGAATTTGATCCTCTGTGATTGTGATGA  
GTTTCAGGAAGATCAAGCCAAAGAATGCAAACAGCCAGAACGTGAAGAAAAACGGTTTTGGGTCTGGTC  
TTGCTACGTGGGAGAATTGGTTTCAATGACTGTGGAGGGCCACCTCCTAAAGATACTGGCATTGCTC  
GTGTGCCTCTTGCTGGCGCTGCAGGTGGCCCTGGGTTGGAAGAGCAGCTGGCAGAGGAGTGCCAGCAGG  
TGTACCTATCCCGAGGCTCCTGCTGGATTAGCAGGCCCTGTAGAGGAGTTGGAGGCCATCCAGCAG  
GTCATGACCCACAGGGAAGAGGCACTGTTGCAGCTGCTGCTGTTGCTGCTACTGCTAGCATTGCAGGAG  
CCCCAACCAGTACCCGCCAGGACGGGAACTCCACCTCCACCTGTAGGCAGAGCAACCCACCTCCAGG  
CATTATGGCTCCTCCACCTGGTATGAGACCACCCATGGGCCACCCATTGGGCTTCCCCCTGCTCGTGGG  
ACACCTATAGGCATGCCTCCTCCAGGAATGAGACCCCTCCACCAGGAATTAGAGGCCACCTCCCCAG  
GAATGCGCCCAAGACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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:** [NM\\_001082962.2](#)

**RefSeq Size:** 2076 bp

**RefSeq ORF:** 723 bp

**Locus ID:** 20646

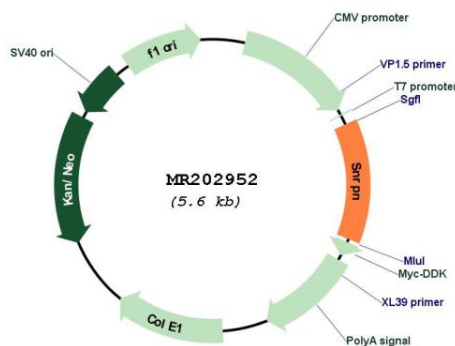
**UniProt ID:** [P63163](#)

**Cytogenetics:** 7 34.04 cM

**MW:** 24.6 kDa

**Gene Summary:** This locus represents a paternally-expressed imprinted gene that encodes a component of the small nuclear ribonucleoprotein complex, which functions in pre-mRNA processing. Genomic and genetic changes in this region result in growth defects and lethality; the corresponding region in human is the critical region for Prader-Willi Syndrome. Alternative promoter use and alternative splicing result in a multitude of transcript variants encoding the same protein. Transcript variants may be bicistronic and also encode the SNRPN upstream reading frame protein (Snurf) from an upstream open reading frame. In addition, long spliced transcripts for small nucleolar RNA host gene 14 (Snhg14) may originate from the promoters at this locus and incorporate exons shared with this gene. [provided by RefSeq, Mar 2017]

### Product images:



Circular map for MR202952