

Product datasheet for **MC226509**

Snrpn (NM_001082961) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Snrpn (NM_001082961) Mouse Untagged Clone
Tag: Tag Free
Symbol: Snrpn
Synonyms: 2410045I01Rik; HCERN3; Peg; Peg4; Pwc; sm-D; SMN; snRNP-N
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226509 representing NM_001082961
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTGTGGGTAAGAGTAGCAAGATGCTGCAGCACATTGACTATAGGATGAGATGTATCCTGCAAGATG
GGAGAATCTTCATTGGCACCTTCAAGGCTTTTGACAAGCATATGAATTTGATCCTCTGTGATTGTGATGA
GTTTCAGGAAGATCAAGCCAAAGAATGCAAACAGCCAGAACGTGAAGAAAACGGGTTTTGGGTCTGGTC
TTGCTACGTGGGGAAGAACTTGGTTTCAATGACTGTGGAGGGCCACCTCCTAAAGATACTGGCATTGCTC
GTGTGCCCTCTTGCTGGCGCTGCAGGTGGCCCTGGGGTTGGAAGAGCAGCTGGCAGAGGAGTGCCAGCAGG
TGTACCTATTCAGGCTCCTGCTGGATTAGCAGGCCCTGTGAGGAGGTTGGAGGCCCATCCCAGCAG
GTCATGACCCACAGGGAAGAGGCACTGTTGCAGCTGCTGCTGTTGCTGCTACTGCTAGCATTGCAGGAG
CCCCAACCCAGTACCGCCAGGACGGGAACTCCACCTCCACCTGTAGGCAGAGCAACCCACCTCCAGG
CATTATGGCTCCTCCACCTGGTATGAGACCACCCATGGGCCACCCATTGGGCTTCCCCCTGCTCGTGGG
ACACCTATAGGCATGCCTCCTCCAGGAATGAGACCCCTCCACCAGGAATTAGAGGCCACCTCCCCAG
GAATGCGCCACCAAGACCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001082961
Insert Size: 723 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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_001082961.1, NP_001076430.1</u>
RefSeq Size:	2032 bp
RefSeq ORF:	723 bp
Locus ID:	20646
UniProt ID:	<u>P63163</u>
Cytogenetics:	7 34.04 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) represents use of an alternate promoter compared to variant 1.</p>