

Product datasheet for **SC109787**

SNRPN (NM_022807) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNRPN (NM_022807) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNRPN
Synonyms:	HCERN3; PWCR; PWS; RT-LI; SM-D; sm-N; SMN; SNRNP-N; SNURF-SNRPN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022807, the custom clone sequence may differ by one or more nucleotides

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ATGACTGTTGGCAAGAGTAGCAAGATGCTGCAGCACATTGACTATAGAATGAGATGTATCCTGCAAGATG
GCCGAATCTTCATTGGCACCTTTAAGGCTTTTGACAAGCATATGAATTTGATCCTCTGTGATTGTGATGA
GTTTCAGAAAGATCAAGCCAAAGAATGCGAAGCAACCAGAGCGTGAAGAAAAGCGGGTTTTGGGTCTGGT
TTGCTGCGTGGGAGAACTTGGTATCCATGACTGTGGAGGGGCCACCCCCAAAGATACTGGCATTGCTC
GGGTACCACTTGCTGGAGCTGCTGGAGGCCCTGGGTTGGTAGGGCAGCTGGTAGAGGAGTACCAGCTGG
TGTGCAATCCCAAGGCCCTGCTGGATTGGCAGGCCCTGTCGAGGAGTTGGGGACCATCCCAGCAG
GTAATGACTCCACAGGGAAGAGGCACTGTAGCAGCTGCTGCTGTTGCTGCGACTGCCAGTATTGCTGGAG
CCCCAACACAGTACCCACCAGGACGGGGCACTCCGCCCCACCCGTCGGCAGAGCAACCCACCTCCAGG
CATTATGGCTCCTCCACCTGGTATGAGACCACCATGGGCCACCAATTGGGCTTCCCCCTGCTCGAGGG
ACGCCAATAGGCATGCCGCTCCGGGAATGAGACCCCCTCCACCAGGCATTAGAGGTCCACCTCCCCAG
GAATGCGTCCACCAAGACCTTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_022807 unedited</p> <pre> TTGTATACGACNACTATAGGGCGGCCGGAATTCGCACGAGGCTGCAGCGAGTCTGGCGC AGAGTGGAGCGGCCGCCGGAGATGCCTGACGCATCTGTCTGAGGAGCGGTCAGTGACGCG ATGGAGCGGGCAAGGGATCGCTTACACCTGAGACGAACTACAGAACAGCACGTACCAGAG GTGGAAGTCCAAGTCAAACGCAGAAGGACTGCCTCACTGAGCAACCAAGAGTGTCAAGTTG TACCCGAGGCGTTCTCAGCAGCAGCAAGTACCTGTGGTGGATTTCCAGGCTGAAGTGAAG CAGGCATTCTTAGCTGAGACACCAAGAGTGGTTAAAGCCATATTGGAGTAGCGAGGAAT CTGATCCAAGCAAAAACAGGCTCCATCTACTCTTTGAAGCTTCTGCCAGCTTGCAATT GTTTCTAGGAGAACCTGCGTCATACCTTTATCTATAGCCTTCCCCTAGGTCTTCAGAAGC ATCAAGTTTTAACTGTGGACATTGGATTTGGTGGAAACAGCAATCATGACTGTTGGCAAGA GTAGCAAGATGCTGCAGCACATTGACTATAGAATGAGATGTATCTGCAAGATGGCCGAA TCTTCATTGGCACCTTTAAGGCTTTTGACAAGCATATGAATTTGATCCTCTGTGATTGTG ATGAGTTCAGAAAGATCAAGCCAAAGAATGCGAAGCAACCAGAGCGTGAGAAAAGCGGGT TTTGGGTCTGGGTGTGCTGCGTGGGGAGAAGTGGTATCCATGACTGTGGAGGGGCCAC CCNCCAAAGATACTGCATTGCTCGGGTACCACTTCTGGAGCTGTGGAGGCCCTGGGGN TGGGGTAGGCACTGGTAAAGAGTACCANCTGGTGTGCCATTCCCCANGCCCTGTGNAT NGGCAGGCCCTGTCCN </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_022807 unedited</p> <pre> AGCTTTGGACCGGCCGCAATCTAGNGATCGGTTTTTTTTTTTTTTTTTTAATTGCTC TATGCATTTATTATTAGCTATTATTAATGCAGAATGAGGGAACAAAAGCTCACAAACAC TCTACACAATTTACAAGACGCATTGCAGGGGAAAAAGTACTGAGATGGATCAACAGTA TGCTAAGTCTTGGTGGACGCATTCTGGGGGAGGTGGACCTCTAATGCCTGGTGGAGGG GGTCTCATTCCCGGAGGCGGCATGCCTATTGGCGTCCCTCGAGCAGGGGGAAGCCCAATT GGTGGGCCCATGGGTGGTCTCATACCAGGTGGAGGAGCCATAATGCCTGGAGGTGGGGT GCTCTGCCGACGGGTGGGGGCGGAGTGCCCGTCTGGTGGTACTGTGTTGGGGCTCCA GCAATACTGGCAGTCGCAGCAACAGCAGAGCTGCTACGGTGCCTTCCCTGTGGAGTC ATTACCTGCTGGGATGGTCCCCAACTCCTCGGACAGGGCCTGCCAATCCAGCAGGGGCC TGGGGAATTGGCACACCAGCTGGTACTCCTCTACCAGCTGCCCTACCAACCCAGGGCCT CCAGCAGCTCCAGCAAGTGGTACCCGAGCAATGCCAGTATCTTTGGGGGTGGCCCTCC ACAGTCATGGATACCAAGTTCTCCCCACGCAGCAACCCAGACCCAAAACCCGCTTTTCT TCACGCTCGTTGCTTCGCATTCTTTGCCTTGATCTTTCTGAACTCATACAATCACAG AGGATCAAATTCATATGCTTGTCAAAGCCTTANAGGGTGCCATGAAGATTTCGCCATCTT GCAGGAACATCTCATTTATAGTTAATGTGCTGCAGCATCTTGCTACTCTTGCCACAGTTA TGATTGCTGTTTCACCAATCCATGTTCCAGNTACACCTGATGCTCCTGAGACTAGGGGAA GCTTAGATAAGTGG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_022807
Insert Size:	1370 bp
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).
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:	NM_022807.2 , NP_073718.1
RefSeq Size:	1751 bp
RefSeq ORF:	723 bp
Locus ID:	6638
UniProt ID:	P63162
Cytogenetics:	15q11.2
Domains:	Sm
Protein Families:	Stem cell - Pluripotency
Gene Summary:	<p>This gene is located within the Prader-Willi Syndrome critical region on chromosome 15 and is imprinted and expressed from the paternal allele. It encodes a component of the small nuclear ribonucleoprotein complex, which functions in pre-mRNA processing and may contribute to tissue-specific alternative splicing. Alternative promoter use and alternative splicing result in a multitude of transcript variants encoding the same protein. Transcript variants that initiate at the CpG island-associated imprinting center 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 share exons with this gene. Alterations in this region are associated with parental imprint switch failure, which may cause Angelman syndrome or Prader-Willi syndrome. [provided by RefSeq, Mar 2017]</p> <p>Transcript Variant: This variant (4) represents use of an alternate upstream promoter compared to variant 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>