

Product datasheet for **SC112434**

SNRPN (NM_022808) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNRPN (NM_022808) 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_022808, the custom clone sequence may differ by one or more nucleotides

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ATGACTGTTGGCAAGAGTAGCAAGATGCTGCAGCACATTGACTATAGAATGAGATGTATCCTGCAAGATG
GCCGAATCTTCATTGGCACCTTTAAGGCTTTTGACAAGCATATGAATTTGATCCTCTGTGATTGTGATGA
GTTTCAGAAAGATCAAGCCAAAGAATGCGAAGCAACCAGAGCGTGAAGAAAAGCGGGTTTTGGGTCTGGT
TTGCTGCGTGGGAGAACTTGGTATCCATGACTGTGGAGGGGCCACCCCCAAAGATACTGGCATTGCTC
GGGTACCACTTGCTGGAGCTGCTGGAGGCCCTGGGTTGGTAGGGCAGCTGGTAGAGGAGTACCAGCTGG
TGTGCCAATCCCAGGCCCTGCTGGATTGGCAGGCCCTGTCGAGGAGTTGGGGACCATCCCAGCAG
GTAATGACTCCACAGGAAGAGGCACTGTAGCAGCTGCTGCTGTTGCTGCGACTGCCAGTATTGCTGGAG
CCCCAACACAGTACCACAGGACGGGGCACTCCGCCCCACCCGTCGGCAGAGCAACCCACCTCCAGG
CATTATGGCTCCTCCACCTGGTATGAGACCACCATGGGCCACCAATTGGGCTTCCCCCTGCTCGAGGG
ACGCCAATAGGCATGCCGCTCCGGGAATGAGACCCCCTCCACCAGGCATTAGAGGTCCACCTCCCCCAG
GAATGCGTCCACCAAGACCTTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022808 unedited
 GTATTTGTATACGACTACTATAGGGCGCCGCGCAATTCGCACGAGGGAGCCTTCTGTG
 TGGTTTGGGGGCAAGGTGAGCTGCCCCCTGCCCTCTCTCTGGGGCTATTTGAGGAATG
 CGGCCTTTTTGCATAAGAAAGGCTTTTTCTACAGTAAGTGTGGTTCGCTGATCAATGACA
 CCTTCCTGATGTAAGTGGGATCTGTGGATCTGAAAATTCACAGTGGCCAGCTCACCACCA
 CCTGATGAAAGATACACCACAGGGTGGAGCATCCTAACAGCAAAGTCAAAATGAGATAC
 TTTGACGAAGGTAAATGGGACTCCCATCAAGTCTCCACACAGCTAGCAGCCACGTGGGGC
 ACTTCTCCAGCATATGTAAGTGGAACTCAGAAGGCAACATTCCTGAACATACTCTTCCA
 CCAGAATCTCCTTACAGATTTTTGCTGCCCTTTTACCAGTGGCTGAATCTACTTTCTC
 TTATGGATCGTTACACCTGAGACGAACTACAGAACAGCAGTACCAGAGGTGGAAGTCC
 AAGTCAAACGCAGAAGGACTGCCCTACTGAGCAACCAAGAGTGTGAGTTGTACCCGAGGC
 GTTCTCAGCAGCAAGTACCTGTGGTGGATNNTCCAGCTGAACTGAGGCANGCATTTC
 TAGCTGAGACACCAAGAAGTGGTTAAAGCCATATTGGAGTAGCGAGGAATCTGATTCCAA
 GCAAAACCCAGCTCCATCTACTCTTTGAAGCTTCTGCCAGCTTGCATTGTTTCTAAGAG
 ACCTGCGGTATACCTTTATCTATAGCCTTCCCCTAGTTCTTCAGAGCATCAATTTAACT
 GTGGACATTGAATTTGTGGGACCGAATCATGACTGTGGCCAAGATANCAGATGTGCGAG
 CCATTGCTATAGAATGAATGATCCTGCAAGAGGCCGAATCCCATG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_022808 unedited
 CGGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTAATTGCTCTATGCATTTATT
 ATTAGCTATTATTAATGCAGAATGAGGGAACAAAAGCTCACAAACTCTACACAATTT
 CACAAGACGCATTGCAGGGGAAAAGTACTGAGATGGATCAACAGTATGCTAAGGTCTT
 GGTGGACGCATTCTGGGGGAGGTGGACCTCTAATGCCTGGTGGAGGGGTCTCATTCCC
 GGAGGCGGCATGCCTATTGGCGTCCCTCGAGCAGGGGGAAGCCCAATTGGTGGGCCCATG
 GGTGGTCTCATACCAGGTGGAGGAGCCATAATGCCTGGAGGTGGGGTTGCTCTGCCGACG
 GGTGGGGGCGGAGTGCCCGTCTGGTGGTACTGTGTTGGGGCTCCAGCAATACTGGCA
 GTCGCAGCAACAGCAGCAGCTGTACAGTGCCTTCCCTGTGGAGTCAATACCTGCTGG
 GATGGTCCCCAACTCCTCGGACAGGGCTGCCAATCCAGCAGGGGCTGGGGAATTGGC
 ACACCAGCTGGTACTCCTCTACCAGTGCCTACCAACCCAGGGCTCCAGCAGCTCCA
 GCAAGTGGTACCCGAGCAATGCCAGTATCTTTGGGGGTGGCCCTCCACAGTCAATGGT
 ACCAAGTTCTCCCACGCAGCATCACCAGACCCAAAACCCGCTTTTCTTACGCTGTGGT
 TGCTTCGCAATTTGGCTTGATCTTTCTGAACTCATCAATCACAGAGGATCAAATTC
 ATATGCTTGTCAAAGCNCTTAAAGTGCCAAATGAAGATTGCGCCATCTTGCAGGATACATC
 TCATTCTATAGNCAATGGGCTGCAGCATCTTGCTACTCTTGCCACAGTCAATGGATTGCTG
 TCCACCAATCCATGTCCACAGTAACTTGAGCTTCTGAACTAGGGAAGCTTANNATAAG
 CTGACGCAGTTCTCTAT

Restriction Sites:

NotI-NotI

ACCN:

NM_022808

Insert Size:

1820 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_022808.2 , NP_073719.1
RefSeq Size:	1643 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 (5) 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>