

Product datasheet for **SC124270**

SNRPD2 (NM_177542) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNRPD2 (NM_177542) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNRPD2
Synonyms:	Sm-D2; SMD2; SNRPD1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124270 sequence for NM_177542 edited (data generated by NextGen Sequencing) ATGACCCAGAGGAGCTGCAGAAGCGAGAGGAGGAGGAATTTAACACCGTCCACTCTCT GTGCTCACACAGTCAGTCAAGAACAATACCCAAGTGCTCATCAACTGCCGCAACAATAAG AAACTCCTGGGCCGCGTGAAGGCCCTTCGATAGGCACTGCAACATGGTGGTGGAGAACGTG AAGGAGATGTGGACTGAGGTACCAAGAGTGGCAAGGGCAAGAAGAAGTCCAAGCCAGTC AACAAAGACCGCTACATCTCCAAGATGTTCTGCGCGGGGACTCAGTCATCGTGGTCCTG CGGAACCCGCTCATCGCCGGCAAGTAG

Clone variation with respect to NM_177542.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_177542 unedited
 GTCATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGGAGAGCGTAGTGACC
 ATCATGAGCCTCCTCAACAAGCCCAAGAGTGAGATGACCCAGAGGAGCTGCAGAAGCGA
 GAGGAGGAGGAATTTAACACCGGTCCACTCTCTGTGCTCACACAGTCAGTCAAGAACAAT
 ACCCAAGTGCTCATCAACTGCCGCAACAATAAGAACTCCTGGGCCGCGTGAAGGCCCTTC
 GATAGGCACTGCAACATGGTGCCTGAAAACGAAAGAAAAGTGGCCTTGGGGGCCCCCA
 AAATGGGCAGGGGCCAAAAAAAACCCCCCTTAAAAAAAACCGCCCTTTTTTC
 CAAAGAATTTTTCGGCGGGGGGAAAAAAAATTGGGGGGGGTGGGGCACCCCC
 CTTTTTTTTTAAAAACAAGGGGCCCCCCCTTTTTTAAAAAAAATAACC
 TCCTTTTTTTTTTAAAAAAAACCCCTCCTTTTGTGGGAGAAAAAAA
 ACAATTTTTTTTTTTTTTTTTTCCCCCTCNAACAAAAAAAAGTGTAAACAAAA
 AAATTTAATTAACCTTGATCACTTAAACTGAAAGAAGTCTCAACATCTCCCTAAAT
 CTAATAAAAAATAAAAAAANNNTATANNNTTTTTCCCTCCCTCTCTCCCTG
 CGTGGGCGCGCTGCTTATCCTCTTTCCCAATATAACCAGGGGGGAGGTGTGGGG
 TTTTCTTCTCCCCCTCACCTCTCTTTCTTCTCGTTGGCGTGTGTGGTGGCGCTC
 TCCTCTTCNCCCTCCCTCNCATAATAGAAAATAAANAACAACAACACTAAAA
 ACTCCCTCTTTTACATCCTCACATCTCATTAACCACGAGGGCGCGGGCGGGCGCG
 TACAGCG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_177542 unedited
 AAACCTAACANGACTTTTATTTCTCAACACCAAGGCAGCGGTCTTCATAGGACAGAGGA
 GTGAGTTCTGTCAACAGACAGGCGCCCTACTTGCCGGCGATGAGCGGTTCCGCAGGA
 CCACGATGACTGAGTCCCGCGCAGGAACATCTTGAGATGTAGCGGTCTTTGTTGACTG
 GCTTGGACTTCTTCTGCCCTTGCCACTTTGGGTACCTCAGTCCACATCTCCTTACGT
 TCTCCAGCACCATGTTGCAGTGCCTATCGAAGGCCTTACGCGGCCAGGAGTTTCTTAT
 TGTTGCGGCAGTTGATGAGCACTTGGGTATTGTTCTTGACTGACTGTGTGAGCACAGAGA
 GTGGACCGGTGTTAAATTCCTCCTCTCGCTTCTGCAGCTCCTCTGGGGTCACTCAC
 TCTTGGGCTTGTGAGGAGGCTCATGATGGTCACTACGCTCTCCGCTCGTGCCGAATTC
 GCGGCCGCCCTATAGTGAGTCGATTACAAAATCTGACGGTTCCTAAACGAGCTCTGC
 TATATAGACCTCCACCGTACACGCCTACCGCCATTTGCGTCAACGGGGCGGGTAT
 TACGACATTTGGAAAGTCCCGTTGATTTGGTGCCAAAAACAACCTCCATTGACGTCAA
 TGGGGTGAGACTTGAAATCCCGTGAGTCANACCGCTATCCAGCCCATTTGGTGTACT
 GCCAAAACCGCATCACCATGGTAAATAGCGATGACTAATACGTAGATGTACTGCCAAGTAN
 GAAAGTCCCGTNAGGTCACTGACTGGNGCATATGCCNAGCGGGCCATTTACCGTCATTGA
 CGTCAATAGGGGGCCGACTTGGCATATGATACACTTGTACTGCCAGTGGGCGAGTT
 TACCCGTAATACTNACCCATT

Restriction Sites:

NotI-NotI

ACCN:

NM_177542

Insert Size:

560 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:

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_177542.1](#), [NP_808210.1](#)

RefSeq Size: 876 bp

RefSeq ORF: 357 bp

Locus ID: 6633

UniProt ID: [P62316](#)

Cytogenetics: 19q13.32

Protein Pathways: Spliceosome

Gene Summary: The protein encoded by this gene belongs to the small nuclear ribonucleoprotein core protein family. It is required for pre-mRNA splicing and small nuclear ribonucleoprotein biogenesis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]
Transcript Variant: This variant (2) includes an alternate exon and uses a downstream start codon compared to variant 1. Isoform 2 has a shorter N-terminus compared to isoform 1. Variants 2 and 3 both encode isoform 2.