

Product datasheet for **SC108475**

SNRPF (NM_003095) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNRPF (NM_003095) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNRPF
Synonyms:	Sm-F; SMF; snRNP-F
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108475 sequence for NM_003095 edited (data generated by NextGen Sequencing)

```
ATGAGTTTACCCCTCAATCCCAAACCTTCTCAATGGACTAACAGGAAAGCCAGTGATG
GTGAAACTTAAGTGGGAATGGAGTACAAGGGCTATCTGGTATCTGTAGATGGCTACATG
AACATGCAGCTTGCAAATACAGAAGAATACATAGATGGAGCTTTGTCTGGACATCTGGGT
GAAGTTTTAATAAGGTGTAATAATGTCCTTTATATCAGAGGTGTGGAAGAAGAGGAAGAA
GATGGGGAATGAGAGAATAG
```

Clone variation with respect to NM_003095.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_003095 unedited
TTCGGCACCAGCCTGCGGTACCTGCTGTAGTCACGAGGGACGGGCGGCGCCTGGTCGGC
AGAGAGTAGCCTGCAACATTCGGCCGTGGTTACGATGAGTTTACCCCTCAATCCCAAACC
TTTCTCAATGGACTAACAGGAAAGCCAGTGATGGTGAACCTTAAGTGGGGAATGGAGTA
CAAGGGCTATCTGGTATCTGTAGATGGCTACATGAACATGCAGCTTGCAAATACAGAAGA
ATACATAGATGGAGCTTTGTCTGGACATCTGGGTGAAGTTTTAATAAGGTGTAATAATGT
CCTTTATATCAGAGGTGTGGAAGAAGAGGAAGAAGATGGGAAAATGAGAGAATAGCATCT
TTTGTGGGGGATTTTTTTATATATATTTCTAGACAATAAAGATTTGTTTGTTCAAA
ANAAAAAAAAAAAAAAAAAAAAAAAAACCTCGCCTCTAGATTGCGGCCGCGGTCATAGCTG
TTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCC
TGGAAAGTTGCCACTCCAGTGCCACCAGCCTTGTCCCTAATAAAATTAAGTTGCATCATT
TGTCTGACTAGGTGTCCTTCTATATATTATGGGGTGGAGGGGGTGGTATGGAGCAAGGG
GCAAGTTGGGAGAACCTGTAGGGCCTGCGGNGTCTATTGGGAACCAAGCTGAGTGCAG
TGGCACAATCTGGCTCACTGCAATCTCCCGCTNNCTGGGTCAAAGCGATTCTCTGCCTC
AGCTCCCGA
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Protein Families: Stem cell - Pluripotency

Protein Pathways: Spliceosome

Gene Summary: Plays role in pre-mRNA splicing as core component of the SMN-Sm complex that mediates spliceosomal snRNP assembly and as component of the spliceosomal U1, U2, U4 and U5 small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome (PubMed:11991638, PubMed:18984161, PubMed:19325628, PubMed:23333303, PubMed:25555158, PubMed:26912367, PubMed:28502770, PubMed:28781166, PubMed:28076346). Component of both the pre-catalytic spliceosome B complex and activated spliceosome C complexes (PubMed:11991638, PubMed:28502770, PubMed:28781166, PubMed:28076346). Is also a component of the minor U12 spliceosome (PubMed:15146077). As part of the U7 snRNP it is involved in histone 3'-end processing (PubMed:12975319).[UniProtKB/Swiss-Prot Function]