

## Product datasheet for **SC321910**

### **SNRP70 (SNRNP70) (NM\_003089) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SNRP70 (SNRNP70) (NM_003089) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNRP70
Synonyms:	RNPU1Z; RPU1; Snp1; SNRP70; U1-70K; U1AP; U1RNP; U170K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_003089.4  
 CGCGCGGGTGGCTGAGCAGCGGCCTGGTGCCTCGCTTAGCGGGCGACGGAATCAGACGG  
 ACGTGGACGCCCCGGAGTGGAAGCCGAAGCAGGAGTTGTTGTTGCTGAGGGGCTGCCGC  
 AGCCGCGCGAGCCTCCGGACAGACGCCAGAGCGAGGAGGGCGCTACGCGACTTGGAAG  
 ATGACCCAGTTCTGCCGCCAACCTTCTGGCCCTCTTGGCCCCGTGACCCTATTCCA  
 TACCTGCCACCCCTGGAGAACTGCCACATGAAAAACACCACAATCAACCTTATTGTGGC  
 ATTGCGCCGTACATTCGAGAGTTTGAGGACCCTCGAGATGCCCTCCTCCAACCTGTGCT  
 GAAACCCGAGAGGAGCGCATGGAGAGGAAAAGACGGGAAAAGATTGAGCGGCGACAGCAA  
 GAAGTGGAGACAGAGCTTAAATGTGGGACCCTACAATGATCCCAATGCTCAGGGGGAT  
 GCCTTCAAGACTCTTTCGTGGCGAGAGTGAATTATGACACAACAGAATCCAAGCTCCGG  
 AGAGAGTTTGAGGTGTACGGACCTATCAAAGAATACACATGGTCTACAGTAAGCGGTCA  
 GGAAAGCCCCGTGGCTATGCCTTCATCGAGTACGAACACGAGCGAGACATGCACTCCGCT  
 TACAAACACGCAGATGGCAAGAAGATTGATGGCAGGAGGGTCCTTGTGGACGTGGAGAGG  
 GGCCGAACCGTGAAGGGCTGGAGGCCCGCGGCTAGGAGGAGGCTCGTGGTACCAGA  
 AGAGGAGGGGCTGATGTGAACATCCGGCATTACAGCCCGGATGACACCTCCCGCTACGAT  
 GAGAGGCCCGGCCCTCCCGCTTCCGCACAGGACCGGGACCGGACCGTGAGCGGGAG  
 CGCAGAGAGCGGAGCCGGAGCGAGACAAGGAGCGAGAACGGCGACGCTCCCGCTCCCGG  
 GACCGGGGAGGCGCTCACGGAGTCCGCAAGGAGGAGCGGAGGCGCTCCAGGGAGCGG  
 AGCAAGGACAAGGACCGGACCGGAAGCGGCGAAGCAGCCGGAGTCGGGAGCGGGCCCGG  
 CGGGAGCGGGAGCGCAAGGAGGAGCTGCGTGGTGGCGGTGGCGACATGGCGGAGCCCTCC  
 GAGGCGGGTGACGCGCCCTGATGATGGGCTCCAGGGGAGCTCGGGCTGACGGCCCT  
 GACGGTCCAGAGGAAAAGGGCCGGATCGTGACCGGGAGCGACGGCGGAGCCACCGGAGC  
 GAGCGGAGCGGGCGCGGACCGGGATCGTGACCGTGACCGTGACCGCGAGCACAACGG  
 GGGGAGCGGGGACGTGAGCGGGGACGGATGAGGCCCGAGGTGGGGCGGTGGCCAGGAC  
 AACGGGCTGGAGGTCTGGGCAACGACAGCCGAGACATGTACATGGAGTCTGAGGGCGGC  
 GACGGCTACCTGGCTCCGGAGAATGGGTATTTGATGGAGGCTGCGCCGAGTGAAGAGGT  
 CGTCTCTCCATCTGCTGTGTTGGACGCTTCTGCCAGCCCTTGTGTCATCCCCT  
 CCCCCAACCTTGGCCACTTGAGTTTGCCTCCAAGGTTAGGTGTCTATTTGTTCTGGCC  
 CCTTGGATTTAAAAATAAAATTAATTTCTGTAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_003089

**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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_003089.4</a> , <a href="#">NP_003080.2</a>
<b>RefSeq Size:</b>	1940 bp
<b>RefSeq ORF:</b>	1314 bp
<b>Locus ID:</b>	6625
<b>UniProt ID:</b>	<a href="#">P08621</a>
<b>Cytogenetics:</b>	19q13.33
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Spliceosome
<b>Gene Summary:</b>	<p>Component of the spliceosomal U1 snRNP, which is essential for recognition of the pre-mRNA 5' splice-site and the subsequent assembly of the spliceosome (PubMed:19325628, PubMed:25555158). SNRNP70 binds to the loop I region of U1-snRNA (PubMed:2467746, PubMed:19325628, PubMed:25555158).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>