

## Product datasheet for **MC215964**

### **Snrnp70 (NM\_009224) Mouse Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	Snrnp70 (NM_009224) Mouse Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	Snrnp70
<b>Synonyms:</b>	2700022N21Rik; 3200002N22Rik; AI325098; R74807; Rnu; Rnu1p70; Rnulp70; Sn; Snrp70; Sr; Snrp70; U1-70; U1-70K
<b>Vector:</b>	pCMV6-Entry (PS100001)
<b>E. coli Selection:</b>	Kanamycin (25 ug/mL)
<b>Cell Selection:</b>	Neomycin



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**Fully Sequenced ORF:** >MC215964 representing NM\_009224  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACACAGTTTCTGCCTCCCAACCTTCTGGCCCTTTTTGCACCCCGAGATCCCATCCCATACCTGCCAC  
 CCCTGGAAAAGCTGCCACATGAAAAACACCATAACCAACCTTACTGTGGATTGCACCATACATCCGAGA  
 GTTTGAGGACCTCGAGATGCTCCTCCTCCAACAAGAGCAGAAACCCGGGAAGAACGCATGGAGAGAAAG  
 AGACGGGAAAAAATTGAACGGCGACAGCAGGAAGTGGAGACAGAGCTGAAAATGTGGACCTCACAATG  
 ATCCCAATGCTCAGGGCGATGCCTTCAAGACTCTGTTCTGGCTAGAGTGAACATGACACAACAGAATC  
 TAAGCTTCGGAGAGATTTGAGGTGTATGGACCCATCAAAGAATCCACATGGTATACAGTAAACGCTCT  
 GGGAAACCCCGTGGTTATGCCTTCATCGAGTATGAGCATGAACGAGACATGCACTCCGCTTACAAGCACG  
 CAGATGGCAAGAAGATAGATGGCAGGAGGTCCTCGTGGATGTGGAGAGGGGCCGGACTGTGAAGGGCTG  
 GAGGCCCGCGCCTAGGAGGTGGCCTTGGTGGTACCAGAAGAGGTGGGGCAGATGTGAATATCAGGCAT  
 TCGGGCCGAGATGACACTTCCCGATATGATGAGAGGCCGGGCCCTCCCGCTTCCACACAGAGACCGGG  
 ACCGGGACCGCGAGCGGGAGCGCAGAGAAAAGCCGAGAACGAGACAAGGAGAGAGAAAGGAGACGCTC  
 CCGCTCTCGGGACCGGAGGAGCGCTCCCGAGTCCGAGACAAGGATGAGCGGCGACGGTCCAGGGAGCGT  
 AGCAAGGACAAGGACCGAGACCGAAAGCGACGAAGCAGTCCGAGCCGGGAGCGAGCACGCAGGGAACGGG  
 AGCGAAAAGAGGAGCTTCGAGGTGGAGGAGGTGGTGGCGGTGGTGGCAGTGGTGGTGGCGGGCGCA  
 CATGGCTGAACCTCTGAAGCTGGTGTATGGAGCTCCTGATGATGGCCCTCCTGGAGACTTGGCCCTGAA  
 GGCCCTGATGGCCAGAGGAGAAGGGCCGGGATCGAGACCGGGAGAGGCGACGTAGTACCAGGAGTGAGA  
 GGAACGTCTCGGGACCGAGACCGTATCGGGATCGAGACACAAGCGTGGGGAGCGGGGCAGTGAGCG  
 GGCAGGGATGAGGCCCGGGTGGGGTGGCAGCGGTCAGGACAATGGCTGGAAGGGCTAGGTAGTGAT  
 GGTTCGAGACATGTACATGGAGGCAGAGGTGGTGTATGGTACATGGCCCCAGAGAATGGATATCTGATGG  
 AGGCAGCGCCGAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_009224
- Insert Size:** 1347 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\\_009224.5](#), [NP\\_033250.3](#)

RefSeq Size: 1751 bp

RefSeq ORF: 1347 bp

Locus ID: 20637

UniProt ID: [Q62376](#)

Cytogenetics: 7 29.28 cM

**Gene Summary:** This gene encodes a subunit of the U1 snRNP (small nuclear ribonucleic particle), one of at least five snRNPs to comprise the spliceosome, which functions in processing of pre-mRNAs. The U1 snRNP has been shown to be important in defining the 5' splice site. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]  
Transcript Variant: This variant (1) represents the shortest transcript and encodes the protein.