

## Product datasheet for **MC219826**

### Syncrip (NM\_019666) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syncrip (NM_019666) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syncrip
Synonyms:	2610109K23Rik; 4632417O19Rik; GRY-RBP; hnRNP Q; Nsap1; Nsap1l; pp68
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219826 representing NM\_019666  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTACAGAACATGTTAATGGAAATGGTACTGAAGAGCCCATGGATACTACTTCAGCAGTTATCCATT  
 CAGAAAAATTTTCAGACATTGCTTGATGCTGGTTTACCACAGAAAGTTGCTGAAAACTAGATGAAATTTA  
 CGTTGCAGGGCTAGTTGCACATAGTGATTTAGATGAAAGAGCTATCGAAGCTTTAAAAGAGTTCAATGAA  
 GACGGCGCATTGGCAGTGCTTCAACAGTTTAAAGACAGTGATCTCTCATGTTCCAGAACAAAAGTGCCT  
 TTTTATGTGGAGTCATGAAGACTTACAGGCAGAGAGAAAAACAGGGGACCAAAGTAGCAGACTCTAGTAA  
 AGGACCAGATGAGGCAAAGATTAAGGCACTTTTGGAAAGAACAGGCTACACACTTGATGTGACTACAGGT  
 CAGAGGAAGTATGGAGGACCCTCCAGATTCGTTTATTCAGGTCAGCAGCCTTCTGTTGGCACTGAGA  
 TATTTGTGGGAAGATCCCCAGAGATCTGTTTGGAGATGAGCTTGTCCATTATTTGAGAAAGCTGGACC  
 TATATGGGATCTTCGTTAATGATGGATCCGCTCACTGGTCTCAACAGAGTTATGCGTTTGTCACTTTT  
 TGTACAAAAGAAGCAGCACAAGAGGCTGTTAACTGTATAATAATCATGAAATTCGTTCCGGGAAGCACA  
 TTGGTGTCTGCATCTCAGTTGCCAACAATAGGCTTTTTGTGGGCTCGATTCCTAAGAGTAAAACCAAGGA  
 GCAGATCTTGAGGAATTTAGCAAAGTGACAGAGGGTCTCACAGATGTCATTTTATACCACCAACCTGAT  
 GACAAGAAAAAACAGAGGCTTTTGTCTTCTTGAATAGAAGATCACAAAACAGCTGCCAGGCAAGAC  
 GTAGGCTAATGAGTGGTAAAGTCAAAGTCTGGGAAATGTTGGAAGTGTGAGTGGGCTGATCCTATTGA  
 AGATCCTGATCCTGAAGTATGGCAAAGTAAAAGTGTGTTGTACGCAACCTTGCCAACACGGTAACA  
 GAAGAAATTTAGAAAAGTCATTTAGTCAGTTTGGGAACTGGAACGAGTAAAGAAGCTAAAAGATTATG  
 CTTTCATTCATTTTATGATGAGAGAGATGGTGTCTCAAGGCTATGGAAGAAATGAATGGTAAAGACTTGA  
 GGGAGAAAAATTTGAAATTTGTTTTGCTAAGCCACCAGATCAGAAGAGGAAAGAAAAGAAAGCTCAGAGG  
 CAAGCAGCAAAGAATCAAATGTATGATGATTACTACTATTATGGTCCACCTCATATGCCTCCCCAACAA  
 GAGGTCGAGGGCGTGGAGGTAGAGGTGGCTATGGATATCCTCCAGATTATTATGGATACGAAGATTATTA  
 TGATTATTATGGTTATGATTACCATAACTATCGTGGTGGATATGAAGATCCATACTATGGTTATGAAGAT  
 TTTCAAGTTGGAGCTAGAGGAAGGGTGGTAGAGGAGCAAGGGTGTCTCCATCCAGAGGTCGTGGGG  
 CTGCTCCTCCCCGTGGTAGAGCCGTTATTCACAGAGAGGAGGCCCTGGATCAGCAAGAGGCGTTCGCGG  
 TCGGAGAGGAGGTGCCAACAAACAAAGAGGCCGCGGGTACGTGGTGAAGGGTGGCCGCGGTGGAAT  
 GTAGGAGGAAAGCGCAAAGCTGATGGGTACAACCAGCCAGATACCAAGCGGCCAGACCAATAATCAGA  
 ACTGGGGCTCCCAACCCATTGCTCAGCAACCGCTCCAAGGTGGTATCATTCTGGTAACTATGGTTACAA  
 ATCTGAAAACCAGGAGTTTTATCAGGATACTTTTGGGCAACAGTGAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_019666  
**Insert Size:** 1872 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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\\_019666.2](#), [NP\\_062640.2](#)

**RefSeq Size:** 2782 bp

**RefSeq ORF:** 1872 bp

**Locus ID:** 56403

**UniProt ID:** [Q7TMK9](#)

**Cytogenetics:** 9 E3.1

**Gene Summary:**

Heterogeneous nuclear ribonucleoprotein (hnRNP) implicated in mRNA processing mechanisms. Component of the CRD-mediated complex that promotes MYC mRNA stability. Isoform 1 and isoform 2 are associated in vitro with pre-mRNA, splicing intermediates and mature mRNA protein complexes. Isoform 1 binds to apoB mRNA AU-rich sequences (By similarity). Isoform 1 is part of the APOB mRNA editosome complex and may modulate the postranscriptional C to U RNA-editing of the APOB mRNA through either by binding to A1CF (APOBEC1 complementation factor), to APOBEC1 or to RNA itself (By similarity). May be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain (By similarity). Interacts in vitro preferentially with poly(A) and poly(U) RNA sequences. Isoform 2 may be involved in cytoplasmic vesicle-based mRNA transport through interaction with synaptotagmins.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longest protein (isoform 1).