

Product datasheet for **MR217725**

Syncrip (NM_019666) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR217725 representing NM_019666
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTACAGAACATGTTAATGGAAATGGTACTGAAGAGCCCATGGATACTACTCAGCAGTTATCCATT
 CAGAAAATTTTCAGACATTGCTTGATGCTGGTTTACCACAGAAAGTTGCTGAAAACTAGATGAAATTTA
 CGTTGCAGGGCTAGTTGCACATAGTGATTTAGATGAAAGAGCTATCGAAGCTTTAAAAGAGTTCAATGAA
 GACGGCGCATTGGCAGTGCTTCAACAGTTTAAAGACAGTGATCTCTCATGTTTCAGAACAAAAGTGCCT
 TTTTATGTGGAGTCATGAAGACTTACAGGCAGAGAGAAAAACAGGGGACCAAAGTGCAGACTCTAGTAA
 AGGACCAGATGAGGCAAAGATTAAGGCACTTTTGGAAAGAACAGGCTACACACTTGATGTGACTACAGGT
 CAGAGGAAGTATGGAGGACCCTCCAGATTCGGTTTATTCAGGTCAGCAGCCTTCTGTTGGCACTGAGA
 TATTTGTGGGAAGATCCCCAGAGATCTGTTTGGAGATGAGCTTGTCCATTATTTGAGAAAGCTGGACC
 TATATGGGATCTTCGTTTAAATGATGGATCCGCTCACTGGTCTCAACAGAGTTATGCGTTTGTCACTTTT
 TGTACAAAAGAAGCAGCACAAGAGGCTGTTAAACTGTATAATAATCATGAAATTCGTTCCGGGAAGCACA
 TTGGTGTCTGCATCTCAGTTGCCAACAATAGGCTTTTTGTGGGCTCGATTCTAAGAGTAAAACCAAGGA
 GCAGATCTTGAGGAATTTAGCAAAGTGACAGAGGGTCTCACAGATGTCATTTTATACCACCAACCTGAT
 GACAAGAAAAAACAGAGGCTTTTGTCTTCTTGAATAGAAGATCACAAAACAGCTGCCAGGCAAGAC
 GTAGGCTAATGAGTGGTAAAGTCAAAGTCTGGGAAATGTTGGAAGTGTGAGTGGGCTGATCCTATTGA
 AGATCCTGATCCTGAAGTATGGCAAAGTAAAAGTGTGTTGTACGCAACCTTGCCAACACGGTAACA
 GAAGAAATTTAGAAAAGTCATTTAGTCAGTTTGGGAACTGGAACGAGTAAAGAAGCTAAAAGATTATG
 CTTTCATTCATTTTGTGAGAGAGATGGTGTCTGCAAGGCTATGGAAGAAATGAATGGTAAAGACTTGG
 GGGAGAAAATATTGAAATTTGTTTTGCTAAGCCACCAGATCAGAAGAGGAAAGAAAAGAAAAGCTCAGAGG
 CAAGCAGCAAAGAATCAAATGTATGATGATTACTACTATTATGGTCCACCTCATATGCCTCCCCAACAA
 GAGGTCGAGGGCGTGGAGGTAGAGGTGGCTATGGATATCCTCCAGATTATTATGGATACGAAGATTATTA
 TGATTATTATGGTTATGATTACCATAACTATCGTGGTGGATATGAAGATCCATACTATGGTTATGAAGAT
 TTTCAAGTTGGAGCTAGAGGAAGGGTGGTAGAGGAGCAAGGGTGTCTCCATCCAGAGGTCGTGGGG
 CTGCTCCTCCCCGTGGTAGAGCCGTTATTCACAGAGAGGAGGCCCTGGATCAGCAAGAGGCGTTCGCGG
 TGCGAGAGGAGGTGCCAACAAACAAAGAGGCCGCGGGTACGTGGTGAAGGGGTGGCCGCGGTGGAAT
 GTAGGAGAAAGCGCAAAGCTGATGGGTACAACCAGCCAGATACCAAGCGGCCAGACCAATAATCAGA
 ACTGGGGCTCCCAACCCATTGCTCAGCAACCGCTCCAAGGTGGTATCATTCTGGTAACTATGGTTACAA
 ATCTGAAAACCAGGAGTTTTATCAGGATACTTTTGGGCAACAGTGGAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217725 representing NM_019666
 Red=Cloning site Green=Tags(s)

MATEHVNGNGTEEPMDTTSAVIHSENFQTLIDAGLPQKVAEKLDEIYVAGLVAHSDLDERAIEALKEFNE
 DGALAVLQQFKDSL SHVQNKSAFLCGVMKTYRQREKQGTQKVDSSKGPDEAKIKALLERTGYTLDVTTG
 QRKYGGPPPSVYSGQQPSVGTIFVVGKIPRDLFEDELVPLFEKAGPIWDLRLMMDPLTGLNRGYAFVTF
 CTKEAAQEAVKL YNNHEIRSGKHIGVCISVANNRLFVGSIPKSKTKEQILEEF SKVTEGL TDVIL YHQP
 DKKKNRGFCFLEYEDHKTAQAARRRLMSGKVKVWGNVGTVEWADPIEDPDPEVMKVKLVFVRNLANTVT
 EEILEKFSQFGKLERVKLKDYAFIHFDERDGAVKAMEEMNGKLEGENIEIVFAKPPDQKRKERKAQR
 QAAKNQMYDDYYPHPPPTTRGRGRGRGGYGYPPDYGYEDYDYDYDYHNYRGGYEDPYGYED
 FQVGARGRGRGARGAAPSRRGAAPPRGRAGYSQRGGPGSARGVARGGAQQQRGRVARGRGRGGRGN
 VGGKRKADGYNQPDTKRRQTNNQNWGSQPIAQQPLQGGDHSGNYGKSENQEFYQDTFGQWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2366_a09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019666

ORF Size: 1869 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 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

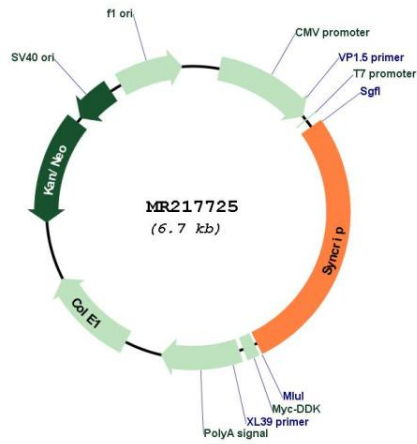
UniProt ID: [Q7TMK9](#)

Cytogenetics: 9 E3.1

MW: 70.1 kDa

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]

Product images:



Circular map for MR217725