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Product datasheet for RR206980

Syncrip (NM_001047916) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syncrip (NM_001047916) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Syncrip
Synonyms:	Ab2-339; hnRNP Q
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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ORF Nucleotide Sequence:

>RR206980 representing NM_001047916
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTACAGAACATGTTAATGGAAATGGTACTGAAGAGCCCATGGATACTACTTCAGCAGTTATCCATT
CAGAAAATTTTCAGACATTGCTTGATGCTGGTTTACCACAGAAAGTTGCTGAAAAACTAGATGAAATTTA
CGTTGCAGGTCAGAGGAAGTATGGGGGGCCACCTCCAGATTCTGTTTATTCAGGTCAGCAGCCTTCTGTT
GGCACTGAGATATTTGTGGGGAAGATCCCCAGAGATCTGTTTGAAGATGAGCTTGTTCCATTGTTTGAGA
AAGCTGGACCTATATGGGATCTTCGTTTAATGATGGATCCACTTACTGGTCTCAACAGAGGTTATGCCTT
TGTCACTTTTTGTACAAAAGAAGCAGCACAAGAGGCTGTTAAACTGTATAATAATCATGAAATTCGTTCC
GGGAAACATATTGGTGTCTGCATCTCAGTTGCCAACAATAGGCTTTTTGTGGGCTCTATTCCTAAGAGTA
AAACCAAGGAACAGATTCTTGAAGAATTTAGTAAAGTGACAGAGGGTCTCACAGATGTCATTTTATACCA
CCAACCTGATGACAAGAAAAAAAACAGAGGCTTTTGCTTTCTTGAATATGAAGATCATAAAACAGCTGCC
CAGGCAAGGCGTAGGCTAATGAGTGGTAAAGTTAAAGTCTGGGGAAATGTTGGAACTGTTGAATGGGCTG
ATCCTATTGAAGATCCTGATCCTGAAGTTATGGCAAAGGTAAAAGTGCTGTTTGTACGCAACCTTGCCAA
CACTGTAACAGAAGAAATTTTAGAAAAGTCGTTTAGTCAGTTTGGGAAACTGGAACGAGTGAAGAAGCTA
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CCTCCAACAAGAGGTCGAGGGCGTGGAGGTAGAGGTGGCTATGGATATCCTCCAGATTATTATGGATACG
AAGATTATTATGATTATTATGGTTATGATTACCATAACTATCGTGGTGGATATGAAGATCCATATTATGG
TTATGAAGATTTTCAAGTTGGAGCTAGAGGAAGGGGTGGTAGAGGAGCAAGGGGTGCTGCTCCATCCAGA
GGTCGCGGGGCTGCTCCTCCCCGTGGTAGAGCCGGTTATTCACAGAGAGGAGGCCCTGGATCAGCAAGAG
GCGTTCGTGGTGCGAGAGGAGGTGCCCAACAACAAAGAGGCCGCGGGGTACGTGGTGCAAGGGGTGGCCG
CGGTGGAAATGTAGGAGGAAAGCGCAAAGCTGATGGGTACAACCAGCCAGATTCCAAGCGGCGCCAGACC
AATAATCAGAACTGGGGCTCCCAACCCATTGCTCAGCAACCGCTCCAAGGTGGTGATCATTCTGGTAACT
ATGGTTACAAATCTGAAAACGAGGAGTTTTATCAGGATACTTTTGGGCAACAGTGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

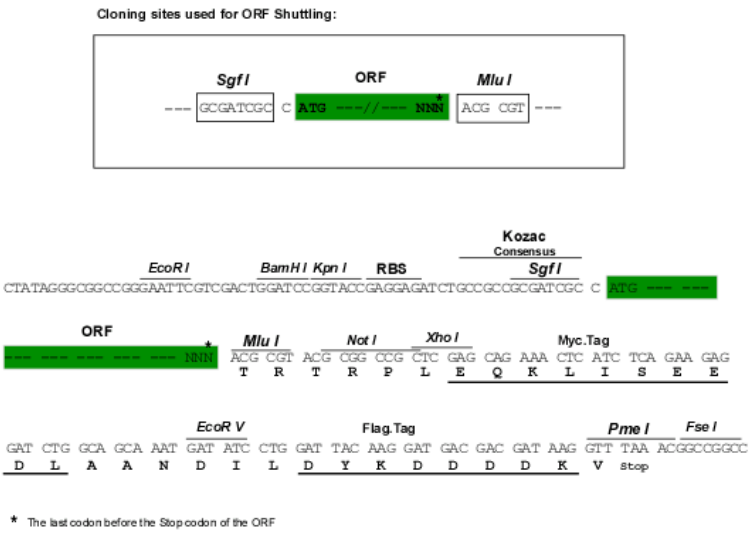
>RR206980 representing NM_001047916
Red=Cloning site Green=Tags(s)

MATEHVNGNGTEEPMDTTSAVIHSENFQTLLDAGLPQKVAEKLDEIYVAGQRKYGGPPPDSVYSGQQPSV
GTEIFVGKIPRDLFEDELVPLFEKAGPIWDLRLMMDPLTGLNRGYAFVTFCTKEAAQEAVKLYNNHEIRS
GKHIGVCISVANNRLFVGSIPKSKTKEQILEEFSKVTEGLTDVILYHQPDDKKKNRGFCFLEYEDHKTAA
QARRRLMSGKVKVWGNVGTVEWADPIEDPDPEVMAKVKVLFVRNLANTVTEEILEKSFSQFGKLERVKKL
KDYAFIHFDERDGAVKAMEEMNGKDLEGENIEIVFAKPPDQKRKERKAQRQAAKNQMYDDYYYYGPPHMP
PPTRGRGRGGRGGYGYPPDYYGYEDYYDYYGYDYHNYRGGYEDPYYGYEDFQVGARGRGGRGARGAAPSR
GRGAAPPRGRAGYSQRGGPGSARGVRGARGGAQQQRGRGVRGARGGRGGNVGGKRKADGYNQPDSKRRQT
NNQNWGSQPIAQQPLQGGDHSGNYGYKSENEEFYQDTFGQQWK

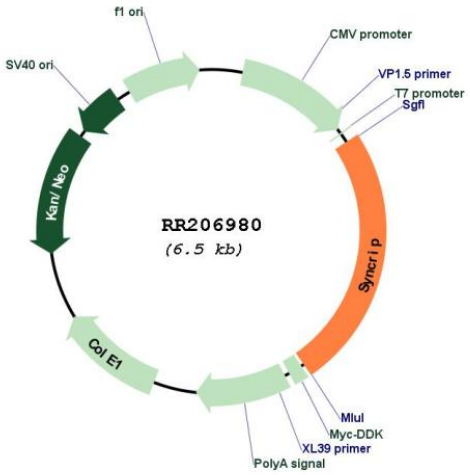
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001047916
ORF Size:	1599 bp
OTI Disclaimer:	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_001047916.2, NP_001041381.1
RefSeq Size:	1648 bp
RefSeq ORF:	1602 bp
Locus ID:	363113
UniProt ID:	Q7TP47
Cytogenetics:	8q31
MW:	59.7 kDa
Gene Summary:	Heterogenous nuclear ribonucleoprotein (hnRNP) implicated in mRNA processing mechanisms. Component of the CRD-mediated complex that promotes MYC mRNA stability. Is associated in vitro with pre-mRNA, splicing intermediates and mature mRNA protein complexes. Binds to apoB mRNA AU-rich sequences. 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. 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. Interacts in vitro preferentially with poly(A) and poly(U) RNA sequences. May be involved in cytoplasmic vesicle-based mRNA transport through interaction with synaptotagmins (By similarity).[UniProtKB/Swiss-Prot Function]