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Product datasheet for MC228314

Syncrip (NM_001284328) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syncrip (NM_001284328) 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:

>MC228314 representing NM_001284328
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTACAGAACATGTTAATGGAAATGGTACTGAAGAGCCCATGGATACTACTTCAGCAGTTATCCATT
CAGAAAATTTTCAGACATTGCTTGATGCTGGTTTACCACAGAAAGTTGCTGAAAAACTAGATGAAATTTA
CGTTGCAGGGCTAGTTGCACATAGTGATTTAGATGAAAGAGCTATCGAAGCTTTAAAAGAGTTCAATGAA
GACGGCGCATTGGCAGTGCTTCAACAGTTTAAAGACAGTGATCTCTCTCATGTTCAGAACAAAAGTGCCT
TTTTATGTGGAGTCATGAAGACTTACAGGCAGAGAGAAAAACAGGGGACCAAAGTAGCAGACTCTAGTAA
AGGACCAGATGAGGCAAAGATTAAGGCACTTTTGGAAAGAACAGGCTACACACTTGATGTGACTACAGGT
CAGAGGAAGTATGGAGGACCACCTCCAGATTCCGTTTATTCAGGTCAGCAGCCTTCTGTTGGCACTGAGA
TATTTGTGGGGAAGATCCCCAGAGATCTGTTTGAGGATGAGCTTGTTCCATTATTTGAGAAAGCTGGACC
TATATGGGATCTTCGTTTAATGATGGATCCGCTCACTGGTCTCAACAGAGGTTATGCGTTTGTCACTTTT
TGTACAAAAGAAGCAGCACAAGAGGCTGTTAAACTGTATAATAATCATGAAATTCGTTCCGGGAAGCACA
TTGGTGTCTGCATCTCAGTTGCCAACAATAGGCTTTTTGTGGGCTCGATTCCTAAGAGTAAAACCAAGGA
GCAGATTCTTGAGGAATTTAGCAAAGTGACAGAGGGTCTCACAGATGTCATTTTATACCACCAACCTGAT
GACAAGAAAAAAAACAGAGGCTTTTGCTTTCTTGAATATGAAGATCACAAAACAGCTGCCCAGGCAAGAC
GTAGGCTAATGAGTGGTAAAGTCAAAGTCTGGGGAAATGTTGGAACTGTTGAGTGGGCTGATCCTATTGA
AGATCCTGATCCTGAAGTTATGGCAAAGGTAAAAGTGCTGTTTGTACGCAACCTTGCCAACACGGTAACA
GAAGAAATTTTAGAAAAGTCATTTAGTCAGTTTGGGAAACTGGAACGAGTAAAGAAGCTAAAAGATTATG
CTTTCATTCATTTTGATGAGAGAGATGGTGCTGTCAAGGCTATGGAAGAAATGAATGGTAAAGACTTGGA
GGGAGAAAATATTGAAATTGTTTTTGCTAAGCCACCAGATCAGAAGAGGAAAGAAAGAAAAGCTCAGAGG
CAAGCAGCAAAGAATCAAATGTATGATGATTACTACTATTATGGTCCACCTCATATGCCTCCCCCAACAA
GAGGTCGAGGGCGTGGAGGTAGAGGTGGCTATGGATATCCTCCAGATTATTATGGATACGAAGATTATTA
TGATTATTATGGTTATGATTACCATAACTATCGTGGTGGATATGAAGATCCATACTATGGTTATGAAGAT
TTTCAAGTTGGAGCTAGAGGAAGGGGTGGTAGAGGAGCAAGGGGTGCTGCTCCATCCAGAGGTCGTGGGG
CTGCTCCTCCCCGTGGTAGAGCCGGTTATTCACAGAGAGGAGGCCCTGGATCAGCAAGAGGCGTTCGCGG
TGCGAGAGGAGGTGCCCAACAACAAAGAGGCCGCGGGGGAAAAGGGGTCGAGGCCGGTCCTGACCTGTTA
CAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001284328

Insert Size: 1686 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001284328.1, NP_001271257.1
RefSeq Size:	6930 bp
RefSeq ORF:	1686 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 (3) uses a distinct 3' terminal exon and differs in the 3' coding region and 3' UTR, compared to variant 1. The resulting protein (isoform 3) is shorter and has a distinct C-terminus compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.