

## Product datasheet for **MR230525**

### Syncrip (NM\_001284328) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syncrip (NM_001284328) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide Sequence:**

>MR230525 representing NM\_001284328  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTACAGAACATGTTAATGGAAATGGTACTGAAGAGCCCATGGATACTACTTACAGCAGTTATCCATT  
 CAGAAAATTTTCAGACATTGCTTGATGCTGGTTTACCACAGAAAGTTGCTGAAAACTAGATGAAATTTA  
 CGTTGCAGGGCTAGTTGCACATAGTGATTTAGATGAAAGAGCTATCGAAGCTTTAAAAGAGTTCAATGAA  
 GACGGCGCATTGGCAGTGCTTCAACAGTTTAAAGACAGTGATCTCTCATGTTTCAGAACAAAAGTGCCT  
 TTTTATGTGGAGTCATGAAGACTTACAGGCAGAGAGAAAAACAGGGGACCAAAGTACGAGACTCTAGTAA  
 AGGACCAGATGAGGCAAAGATTAAGGCACTTTTGGAAAGAACAGGCTACACACTTGATGTGACTACAGGT  
 CAGAGGAAGTATGGAGGACCCTCCAGATTCGTTTATTCAGGTCAGCAGCCTTCTGTTGGCACTGAGA  
 TATTTGTGGGGAAGATCCCCAGAGATCTGTTTGGAGGATGAGCTTGTCCATTATTTGAGAAAGCTGGACC  
 TATATGGGATCTTCGTTTAAATGATGGATCCGCTCACTGGTCTCAACAGAGTTATGCGTTTGTCACTTTT  
 TGTACAAAAGAAGCAGCACAAGAGGCTGTTAAACTGTATAATAATCATGAAATTCGTTCCGGGAAGCACA  
 TTGGTGTCTGCATCTCAGTTGCCAACAATAGGCTTTTTGTGGGCTCGATTCCTAAGAGTAAAACCAAGGA  
 GCAGATCTTGAGGAATTTAGCAAAGTGACAGAGGGTCTCACAGATGTCATTTTATACCACCAACCTGAT  
 GACAAGAAAAAAGCAGAGGCTTTTGTCTTCTTGAATAGAAGATCACAAAACAGCTGCCAGGCAAGAC  
 GTAGGCTAATGAGTGGTAAAGTCAAAGTCTGGGAAATGTTGGAAGTGTGAGTGGGCTGATCCTATTGA  
 AGATCCTGATCCTGAAGTATGGCAAAGGTAAGTGTGTTGTACGCAACCTGCCAACACGGTAACA  
 GAAGAAAATTTAGAAAAGTCATTTAGTCAGTTTGGGAAACTGGAACGAGTAAAGAAGCTAAAAGATTATG  
 CTTTCATTCATTTTATGATGAGAGAGATGGTGTCTCAAGGCTATGGAAGAAATGAATGGTAAAGACTTGA  
 GGGAGAAAATTTGAAAATTTGTTTTTGTAAAGCCACCAGATCAGAAGAGGAAAGAAAAGAAAAGCTCAGAGG  
 CAAGCAGCAAAGAATCAAATGTATGATGATTACTACTATTATGGTCCACCTCATATGCCTCCCCAACAA  
 GAGGTCGAGGGCGTGGAGGTAGAGGTGGCTATGGATATCCTCCAGATTATTATGGATACGAAGATTATTA  
 TGATTATTATGGTTATGATTACCATAACTATCGTGGTGGATATGAAGATCCATACTATGGTTATGAAGAT  
 TTTCAAGTTGGAGCTAGAGGAAGGGTGGTAGAGGAGCAAGGGTGTCTCCATCCAGAGGTCTGGGG  
 CTGCTCCTCCCCGTGGTAGAGCCGTTATTCACAGAGAGGAGGCCCTGGATCAGCAAGAGGCGTTCGCGG  
 TGCGAGAGGAGGTGCCAACAAAGAGGCCCGGGGGAAAAGGGTTCGAGGCCGTCTGACCTGTTA  
 CAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230525 representing NM\_001284328  
 Red=Cloning site Green=Tags(s)

MATEHVNGNGTEEPMDTTSAVIHSENFQTLLDAGLPQKVAEKLDEIYVAGLVAHSDLDERAIEALKEFNE  
 DGALAVLQQFKSDLSHVQNKSAFLCGVMKTYRQREKQTKVADSSKGPDEAKIKALLERTGYTLDVTTG  
 QRKYGGPPPSVYSGQQPSVGEIFVGIIPRDLFEDELVPLFEKAGPIWDLRLMMDPLTGLNRGYAFVTF  
 CTKEAAQEAVKLYNNHEIRSGKHIGVCISVANNRLFVGSIPKSKTKEQILEEFKSVTEGLTDVILYHQPD  
 DKKKNRGCFLYEDHKTAQARRRLMSGKVKVWGNVGTVEWADPIEDPDPEVMKVKVLFVRNLANTVT  
 EEILEKSFSGFKLERVKLKDIAFIHFDERDGAVKAMEEMNGDLEGENIEIVFAKPPDQKRKERKAQR  
 QAAKNQMYDDYYYPHPMPPTTRGRGRGGGGYPPDYGYEDYYDYGYDYHNYRGGYEDPYGYED  
 FQVGARGRGRGARGAAPSRRGAAPPRGRAGYSQRGGPGSARGVARGGAQQQRGRGGKVEAGPDLL  
 Q

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

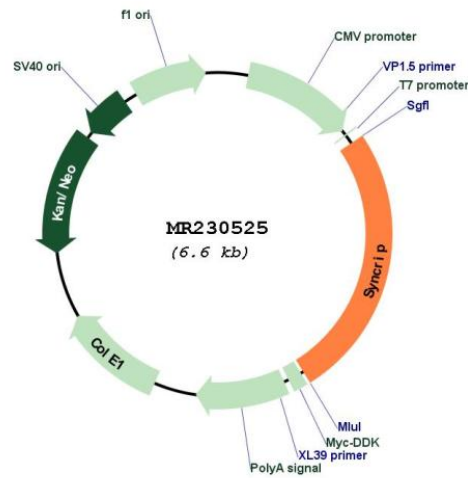
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001284328  
 ORF Size: 1683 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001284328.1</a> , <a href="#">NP_001271257.1</a>
<b>RefSeq Size:</b>	6930 bp
<b>RefSeq ORF:</b>	1686 bp
<b>Locus ID:</b>	56403
<b>UniProt ID:</b>	<a href="#">Q7TMK9</a>
<b>Cytogenetics:</b>	9 E3.1
<b>MW:</b>	63 kDa
<b>Gene Summary:</b>	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]