

Product datasheet for **MG218806**

Syncrip (NM_019796) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syncrip (NM_019796) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Syncrip
Synonyms:	2610109K23Rik; 4632417O19Rik; GRY-RBP; hnRNP Q; Nsap1; Nsap1l; pp68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218806 representing NM_019796
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTACAGAACATGTTAATGGAAATGGTACTGAAGAGCCCATGGATACTACTTCAGCAGTTATCCATT
 CAGAAAATTTTCAGACATTGCTTGATGCTGGTTTACCACAGAAAGTTGCTGAAAACTAGATGAAATTTA
 CGTTGCAGGGCTAGTTGCACATAGTGATTTAGATGAAAGAGCTATCGAAGCTTTAAAAGAGTTCAATGAA
 GACGGCGCATTGGCAGTGCTTCAACAGTTTAAAGACAGTGATCTCTCATGTTTCAGAACAAAAGTGCCT
 TTTTATGTGGAGTCATGAAGACTTACAGGCAGAGAGAAAAACAGGGGACCAAAGTAGCAGACTCTAGTAA
 AGGACCAGATGAGGCAAAGATTAAGGCACTTTTGGAAAGAACAGGCTACACACTTGATGTGACTACAGGT
 CAGAGGAAGTATGGAGGACCACCTCCAGATTCGTTTATTCAGGTCAGCAGCCTTCTGTTGGCACTGAGA
 TATTTGTGGGAAGATCCCCAGAGATCTGTTTGGAGATGAGCTTGTCCATTATTTGAGAAAGCTGGACC
 TATATGGGATCTTCGTTTAAAGTGGATCCGCTCACTGGTCTCAACAGAGGTTATGCGTTTGTCACTTTT
 TGTACAAAAGAAGCAGCACAAGAGGCTGTTAAACTGTATAATAATCATGAAATTCGTTCCGGGAAGCACA
 TTGGTGTCTGCATCTCAGTTGCCAAACAATAGGCTTTTTGTGGGCTCGATTCCTAAGAGTAAAACCAAGGA
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 GACAAGAAAAAAGCAGGGGCTTTTGTCTTCTTGAATAGAAGATCACAAAACAGCTGCCAGGCAAGAC
 GTAGGCTAATGAGTGGTAAAGTCAAAGTCTGGGAAATGTTGGAAGTGTGAGTGGGCTGATCCTATTGA
 AGATCCTGATCCTGAAGTATGGCAAAGGTAAGTGTGTTGTACGCAACCTTGCCAACACGGTAACA
 GAAGAAAATTTAGAAAAGTCATTTAGTCAGTTTGGAAACTGGAACGAGTAAAGAAGCTAAAAGATTATG
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 GGGAGAAAATATTGAAATTTGTTTTGCTAAGCCACCAGATCAGAAGAGGAAAGAAAAGAAAAGCTCAGAGG
 CAAGCAGCAAAGAATCAAATGTATGATGATTACTACTATTATGGTCCACCTCATATGCCTCCCCAACAA
 GAGGTCGAGGGCGTGGAGGTAGAGGTGGCTATGGATATCCTCCAGATTATTATGGATACGAAGATTATTA
 TGATTATTATGGTTATGATTACCATAACTATCGTGGTGGATATGAAGATCCATACTATGGTTATGAAGAT
 TTTCAAGTTGGAGCTAGAGGAAGGGTGGTAGAGGAGCAAGGGTGTCTCCATCCAGAGGTCGTGGGG
 CTGCTCCTCCCCGTGGTAGAGCCGTTATTCACAGAGAGGAGGCCCTGGATCAGCAAGAGGCGTTCGCGG
 TGCGAGAGGAGGTGCCAACAAACAAGAGGCCGCGGGCAGGAAAAGGGTTCGAGGCCGTCTGACCTG
 TTACAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG218806 representing NM_019796
 Red=Cloning site Green=Tags(s)

MATEHVNGNGTEEPMDTSSAVIHSENFQTLIDAGLPQKVAEKLDEIYVAGLVAHSDLDERAIEALKEFNE
 DGALAVLQQFKDSDL SHVQNKSAFLCGVMKTYRQREKQGTQKVDSSKGPDEAIKIKALLERTGYTLDVTTG
 QRKYGGPPPSVYSGQQPSVGTIFVVGKIPRDLFEDELVPLFEKAGPIWDLRLTMDPLTGLNRYAFVTF
 CTKEAAQEAVKLYNNHEIRSGKHIGVCISVANNRLFVGSIPKSKTKEQILEEFKSKVTEGLTDVILYHQPD
 DKKKNRGFCLFLEYEDHKTAQAARRRLMSGKVKVWGNVGTVEWADPIEDPDPEVMKVLFVRLNANTVT
 EEILEKFSFSQFGLERVKKLDYAFIHFDERDGAVKAMEEMNGKLEGENIEIVFAKPPDQKRKERKAQR
 QAAKNQMYDDYYYYGPPHMPPTTRGRGRGGGGYYPDYGYEDYYDYGYDYHNYRGGYEDPYGYED
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 LQ

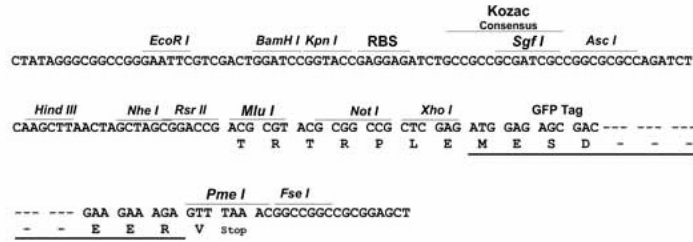
TRTRPLE - GFP Tag - V

Restriction Sites:

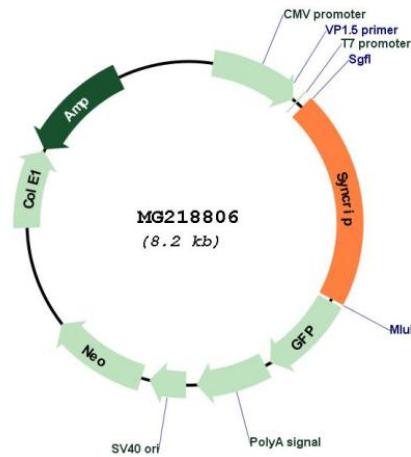
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_019796
 ORF Size: 1686 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:	<ol style="list-style-type: none"> 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_019796.4 , NP_062770.1
RefSeq Size:	6559 bp
RefSeq ORF:	1689 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]