

Product datasheet for **RG217902**

hnRNP Q (SYNCRIP) (NM_006372) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP Q (SYNCRIP) (NM_006372) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SYNCRIP
Synonyms:	GRY-RBP; GRYRBP; hnRNP-Q; HNRNPQ; HNRPQ1; NSAP1; PP68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG217902 representing NM_006372
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCTACAGAACATGTTAATGGAAATGGTACTGAAGAGCCCATGGATACTACTTCTGCAGTTATCCATT
 CAGAAAATTTTCAGACATTGCTTGATGCTGGTTTACCACAGAAAGTTGCTGAAAACTAGATGAAATTTA
 CGTTGCAGGGCTAGTTGCACATAGTGATTTAGATGAAAGAGCTATTGAAGCTTTAAAAAGAATTCAATGAA
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 TTGGTGTCTGCATCTCAGTTGCCAACAAATAGGCTTTTTGTGGGCTCTATTCCTAAGAGTAAAACCAAGGA
 ACAGATTCTTGAAGAATTTAGCAAAGTAACAGAGGGTCTTACAGACGTCATTTTATACCACCAACCGGAT
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 CTGCTCCTCCCCGCGTAGAGCCGTTATTCACAGAGAGGAGTCTGGATCAGCAAGAGGCGTTCGAGG
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 GTAGGAGAAAGCGCAAAGCTGATGGGTACAACCAGCCAGATTCCAAGCGGCCAGACCAATAATCAGA
 ACTGGGGCTCCCAACCCATTGCTCAGCAACCGCTCCAAGGTGGTATCATTCTGGTAACTATGGTTACAA
 ATCTGAAAACCAGGAGTTTTATCAGGATACTTTTGGGCAACAGTGGAAAG

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG217902 representing NM_006372
 Red=Cloning site Green=Tags(s)

MATEHVNGNGTEEPMDTTSAVIHSENFQTLLDAGLPQKVAEKLDEIYVAGLVAHSDLDERAIEALKEFNE
 DGALAVLQQFKDSL SHVQNKSAFLCGVMKTYRQREKQGTKVADSSKGPDEAIKALLERTGYTLDVTTG
 QRKYGGPPPSVYSGQQPSVGTEIFVGIKIPRDLFEDELVPLFEKAGPIWDLRLMMDPLTGLNRYAFVTF
 CTKEAAQEAVKL YNNHEIRSGKHIGVCISVANNRLFVGSIPKSKTKEQILEEF SKVTEGL TDVIL YHQP
 DKKKNRSFCFLYEDHKTAQAARRRLMSGKVKVWGNVGTVEWADPIEDPDPEVMKVKVLFVRNLANTVT
 EEILEKAFSQFGKLERVKKLDYAFIHFDERDGAVKAMEEMNGKDL EGENIEIVFAKPPDQKRKERKAQR
 QAAKNQMYDDY YYYGPPHMPPTTRGRGRGRGGYGYPPDY YGYEDYDYGYDYHNYRGGYEDPY YGYED
 FQVGARGRGRGARGAAPSRRGAAPPRGRAGYSQRGGPGSARGVRGARGGAQQQRGRGVRGARGRGGN
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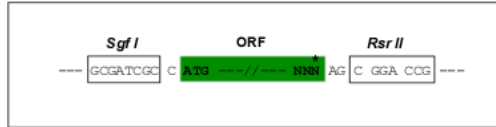
SGPTRRRLE - GFP Tag - V

Restriction Sites:

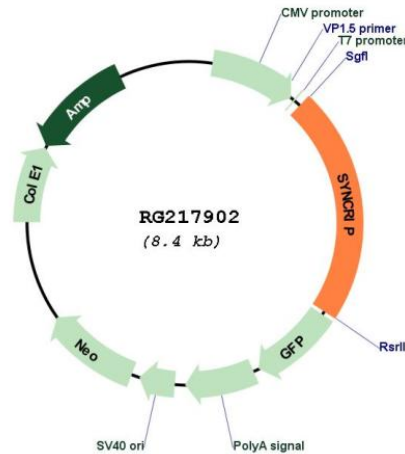
SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_006372
 ORF Size: 1869 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_006372.3 , NP_006363.3
RefSeq Size:	2932 bp
RefSeq ORF:	1872 bp
Locus ID:	10492
UniProt ID:	O60506
Cytogenetics:	6q14.3
Domains:	RRM
Protein Families:	Stem cell - Pluripotency
Gene Summary:	This gene encodes a member of the cellular heterogeneous nuclear ribonucleoprotein (hnRNP) family. hnRNPs are RNA binding proteins that complex with heterogeneous nuclear RNA (hnRNA) and regulate alternative splicing, polyadenylation, and other aspects of mRNA metabolism and transport. The encoded protein plays a role in multiple aspects of mRNA maturation and is associated with several multiprotein complexes including the apoB RNA editing-complex and survival of motor neurons (SMN) complex. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 20. [provided by RefSeq, Dec 2011]