

Product datasheet for **RG228940**

hnRNP Q (SYNCRIP) (NM_001159674) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | hnRNP Q (SYNCRIP) (NM_001159674) 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:

>RG228940 representing NM_001159674
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTACAGAACATGTTAATGGAAATGGTACTGAAGAGCCCATGGATACTACTTCTGCAGTTATCCATT
 CAGAAAATTTTCAGACATTGCTTGATGCTGGTTTACCACAGAAAGTTGCTGAAAACTAGATGAAATTTA
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 GACGGTGCATTGGCAGTCTTCAACAGTTTAAAGACAGTGATCTCTCATGTTCCAGAACAAAAGTGCCT
 TTTTATGTGGAGTCATGAAGACTTACAGGCAGAGAGAAAAACAAGGGACCAAAGTGCAGATTCTAGTAA
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 TTGGTGTCTGCATCTCAGTTGCCAACAATAGGCTTTTTGTGGGCTCTATTCCTAAGAGTAAAACCAAGGA
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 AGCAAGGGGTGCTGCTCCATCCAGAGGTCGTGGGGCTGCTCCTCCCGCGGTAGAGCCGTTATTACAG
 AGAGGAGGTCCTGGATCAGCAAGAGGCGTTCGAGGTGCGAGAGGAGGTGCCCAACAACAAGAGGCCGCG
 GGCAGGAAAAGGGTTCGAGGCCGCTGACCTGTTACAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG228940 representing NM_001159674
 Red=Cloning site Green=Tags(s)

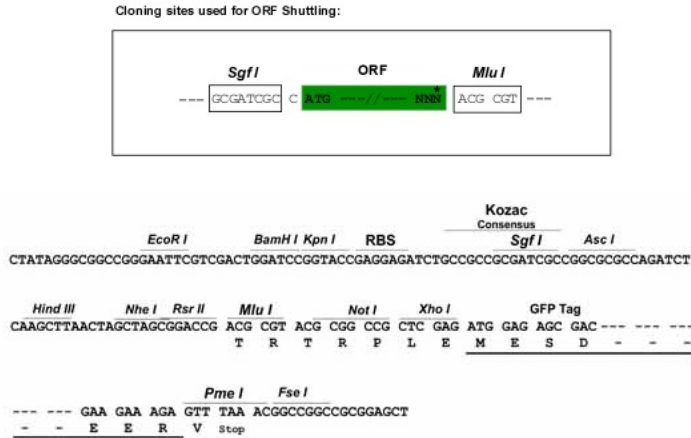
MATEHVNGNGTEEPMDTTSAVIHSENFQTLDDAGLPQKVAEKLDEIYVAGLVAHSDLDERAIEALKEFNE
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 QRKYGGPPPSVYSGQQPSVGTGTEIFVKGIPRDLFEDELVPLFEKAGPIWDLRLMMDPLTGLNRYAFVTF
 CTKEAAQEAVKLYNNHEIRSGKHIGVCISVANNRLFVGSIPKSKTKEQILEEFKSVTEGLTDVILYHQPD
 DKKKNRGCFLYEDHKTAQVKVLFVRNLANTVTEEILEKAFSQFKLERVKKLDYAFIHFDERDGAV
 KAMEEMNGKDLEGENIEIVFAKPPDQKRKERKAQRQAANKQMYDDYYYYGPPHPPPTGRGRGGRGGY
 YPPDYGYEDYDYGYDYHNYRGGYEDPYGYEDFQVGARGRGRGARGAAPSRRGAAPPRGRAGYSQ
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TRTRPLE – GFP Tag – V

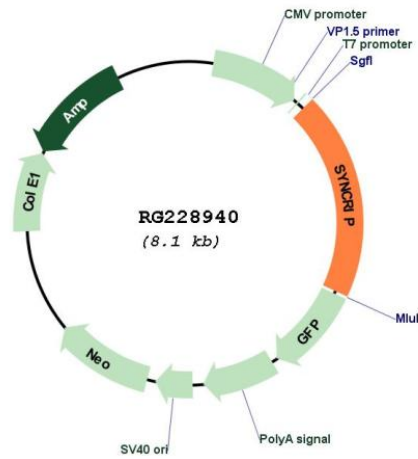
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



| | |
|-------------------------------|--|
| ACCN: | NM_001159674 |
| ORF Size: | 1581 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_001159674.2 |
| RefSeq Size: | 6797 bp |
| RefSeq ORF: | 1584 bp |
| Locus ID: | 10492 |
| UniProt ID: | O60506 |
| Cytogenetics: | 6q14.3 |
| 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] |