

## Product datasheet for RC234018

### hnRNP Q (SYNCRIP) (NM\_001253771) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP Q (SYNCRIP) (NM_001253771) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	hnRNP Q
Synonyms:	GRY-RBP; GRYRBP; hnRNP-Q; HNRNPQ; HNRPQ1; NSAP1; PP68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC234018 representing NM_001253771 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGACCACCTCCAGATTCCGTTTATTCAGATATTTGTGGGAAAGATCCCAAGAGATCTATTTGAGG  
ATGAACTGTTCCATTATTTGAGAAAGCTGGACCTATATGGGATCTTCGTCTAATGATGGATCCACTCAC  
TGGTCTCAATAGAGGTTATGCGTTTGTCACTTTTTGTACAAAAGAAGCAGCTCAGGAGGCTGTTAACTG  
TATAATAATCATGAAATTCGTTCTGAAAACATATTGGTGTCTGCATCTCAGTTGCCAACAAATAGGCTTT  
TTGTGGGCTCTATTCTAAGAGTAAAACCAAGGAACAGATTCTTGAAGAATTTAGCAAAGTAACAGAGGG  
TCTTACAGACGTCATTTTATACCAACCGGATGACAAGAAAAAACAGAGGCTTTTGCCTTCTTGAA  
TATGAAGATCACAAAACAGCTGCCAGGCAAGGCGTAGGTTAATGAGTGGTAAAGTCAAGGTCTGGGGGA  
ATGTTGGAAGTGTGAATGGGCTGATCCTATAGAAGATCCTGATCCTGAGGTTATGGCAAAGGTAAGT  
GCTGTTTGTACGCAACCTTGCCAATACTGTAACAGAAGAGATTTAGAAAAGGCATTTAGTCAGTTTGGG  
AACTGGAACGAGTGAAGAAGTTAAAAGATTATGCGTTCATTCATTTGATGAGCGAGATGGTGTCTCA  
AGGCTATGGAAGAAATGAATGGCAAAGACTTGGAGGGAGAAAATATTGAAATGTTTTGCCAAGCCACC  
AGATCAGAAAAGGAAAGAAAAGCTCAGAGGCAAGCAGCAAAAAATCAAATGATGACGATTACTAC  
TATTATGGTCCACCTCATATGCCCCCTCAACAAGAGGTCGAGGGCGTGGAGGTAGAGGTGTTATGGAT  
ATCCTCCAGATTATTATGGATATGAAGATTATTATGATTATTATGGTTATGATTACCATAACTATCGTGG  
TGGATATGAAGATCCATACTATGGTTATGAAGATTTTCAAGTTGGAGCTAGAGGAAGGGGTGGTAGAGGA  
GCAAGGGGTGCTGCTCCATCCAGAGGTCGTGGGCTGCTCCTCCCGCGGTAGAGCCGGTTATTCACAGA  
GAGGAGGTCCTGGATCAGCAAGAGGCGTTCGAGGTGCGAGAGGAGGTGCCCAACAACAAGAGGCCCGCG  
GCAGGGAAAAGGGTTCGAGGCCGCTGACCTGTTACAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RC234018 representing NM\_001253771  
Red=Cloning site Green=Tags(s)

MEDHLQIPFIQIFVGVKIPRDLFEDELVPLFEKAGPIWDLRLMMDPLTGLNRGYAFVTFCTKEAAQEAVKL  
 YNNHEIRSGKHIGVCISVANNRLFVGSIPKSKTKEQILEEFKSVTEGLTDVILYHQPDKKKNGRGCFLF  
 YEDHKTAQAARRRLMSGKVKVWGNVGTVEWADPIEDPDPEVMAKVKVLFVRNLANTVTEEILEKAFSQFG  
 KLERVKKLDYAFIHFDERDGAVKAMEEMNGKDLGKLEGENIEIVFAKPPDQKRKERKAQRQAANKQMYDDYY  
 YYGPPHMPPTTRGRGRGGGGYPPDYGYEDYYDYGYDYHNYRGGYEDPYGYEDFQVGARGRGGRG  
 ARGAAPSRGRGAAPPRGRAGYSQRGGPGSARGVARGGAQQQRGRGQKGEAGPDLLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001253771

**ORF Size:** 1230 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:**

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\\_001253771.2](#)

**RefSeq Size:** 6716 bp

**RefSeq ORF:** 1233 bp

**Locus ID:** 10492

**UniProt ID:** [O60506](#)

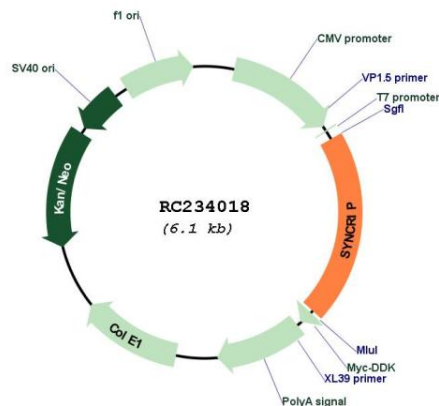
**Cytogenetics:** 6q14.3

**Protein Families:** Stem cell - Pluripotency

**MW:** 46.8 kDa

**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]

### Product images:



Circular map for RC234018