

## Product datasheet for **RG228387**

### hnRNP Q (SYNCRIP) (NM\_001159673) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP Q (SYNCRIP) (NM_001159673) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	hnRNP Q
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:**

>RG228387 representing NM\_001159673  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGAAGACTTACAGGCAGAGAGAAAAACAAGGGACCAAGTAGCAGATTCTAGTAAAGGACCAGATGAGG  
 CAAAAATTAAGGCACTCTTGAAAAGAACAGGCTACACACTTGATGTGACCACTGGACAGAGGAAGTATGG  
 AGGACCACCTCCAGATCCGTTTATTCAGGTACAGCAGCCTTCTGTTGGCACTGAGATATTTGTGGGAAAG  
 ATCCCAAGAGATCTATTTGAGGATGAACTGTTCCATTATTTGAGAAAGCTGGACCTATATGGGATCTTC  
 GTCTAATGATGGATCCACTCACTGGTCTCAATAGAGGTTATGCGTTTGTCACTTTTTGTACAAAAGAAGC  
 AGCTCAGGAGGCTGTTAAACTGTATAAATCATGAAATTCGTTCTGGAAAACATATTGGTGTCTGCATC  
 TCAGTTGCCAACAAATAGGCTTTTGTGGGCTCTATTCTAAGAGTAAAACCAAGGAACAGATTCTTGAAG  
 AATTTAGCAAAGTAACAGAGGGTCTTACAGACGTCATTTTATACCACCAACCGGATGACAAGAAAAA  
 CAGAGGCTTTTGTCTTTGAATATGAAGATCACAAAACAGCTGCCAGGCAAGGCGTAGGTTAATGAGT  
 GGTAAAGTCAAGGTCTGGGGAAATGTTGGAAGTGTGAATGGGCTGATCCTATAGAAGATCCTGATCCTG  
 AGGTTATGGCAAAGGTAAAAGTGTCTTTGTACGCAACCTTGCCAATACTGTAACAGAAGAGATTTAGA  
 AAAGGCATTTAGTCAGTTTGGGAACTGGAACGAGTGAAGAAGTTAAAAGATTATGCGTTTCACTTTT  
 GATGAGCGAGATGGTGTGTCAAGGCTATGGAAGAAATGAATGGCAAAGACTTGGAGGGAGAAAAATTG  
 AAATTGTTTTTGGCAAGCCACCAGATCAGAAAAGGAAAGAAAGAAAGCTCAGAGGCAAGCAGCAAAAA  
 TCAATGTATGACGATTACTACTATTATGGTCCACCTCATATGCCCCCTCAACAAGAGGTCGAGGGCGT  
 GGAGGTAGAGGTGTTATGGATATCCTCCAGATTATTATGGATATGAAGATTATTATGATTATTATGGTT  
 ATGATTACCATAACTATCGTGGTGGATATGAAGATCCATACTATGGTTATGAAGATTTTCAAGTTGGAGC  
 TAGAGGAAGGGTGGTAGAGGAGCAAGGGGTGCTGCTCCATCCAGAGGTCGTGGGGCTGCTCCTCCCGC  
 GGTAGAGCCGTTTATTCACAGAGAGGAGGTCCTGGATCAGCAAGAGGCGTTCGAGGTGCGAGAGGAGGTG  
 CCCAACAAACAAGAGGCCGCGGGCAGGAAAAGGGGTCGAGGCCGGTCTGACCTGTTACAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG228387 representing NM\_001159673  
 Red=Cloning site Green=Tags(s)

MKTYRQREKQGTKVADSSKGPDEAIKALLERTGYTLDVTTGQRKYGGPPPSVYSGQQPSVGTEIFVKG  
 IPRDLFEDELVPLFEKAGPIWDLRLMMDPLTGLNRGYAFVTFCTKEAAQEAVKLYNNHEIRSGKHIGVCI  
 SVANNRLFVGSIPKSKTKEQILEEFSKVTEGLTDVILYHQPDDKKKNRGCFLLEYEDHKTAQARRRLMS  
 GKVKVWGNVGTVEWADPIEDPDPEVMAKVKVLFVRNLANTVTEEILEKAFSQFGKLERVKLKDYAFIHF  
 DERDGAVKAMEEMNGKDLEGENIEIVFAKPPDQKRKERKAQRQAANKQMYDDYYYYGPPHMPPTGRGR  
 GGRGGYGYPPDYGYEDYDYGYDYHNYRGGYEDPYGYEDFQVGARGRGGRGARGAAPSRRGRGAAPPR  
 GRAGYSQRGGPGSARGVARGGAQQQRGRGQKGV EAGPDLLQ

TRTRPLE – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

## Cloning Scheme:



ACCN: NM\_001159673

ORF Size: 1392 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\\_001159673.1](#), [NP\\_001153145.1](#)

RefSeq Size: 6774 bp

RefSeq ORF: 1395 bp

Locus ID: 10492

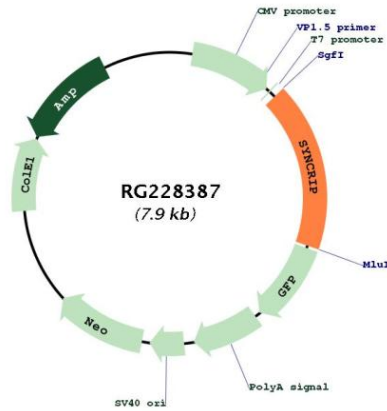
UniProt ID: [O60506](#)

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]

**Product images:**



Circular map for RG228387