

Product datasheet for **RC217902**

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:	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)



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ORF Nucleotide Sequence:

>RC217902 representing NM_006372
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTACAGAACATGTTAATGGAAATGGTACTGAAGAGCCCATGGATACTACTTCTGCAGTTATCCATT
 CAGAAAATTTTCAGACATTGCTTGATGCTGGTTTACCACAGAAAGTTGCTGAAAACTAGATGAAATTTA
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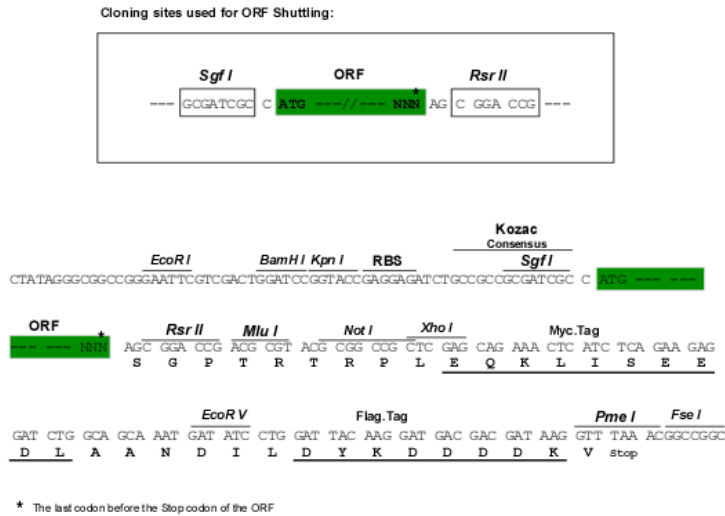
Protein Sequence:

>RC217902 representing NM_006372
 Red=Cloning site Green=Tags(s)

MATEHVNGNGTEEPMDTTSAVIHSENFQTLIDAGLPQKVAEKLDEIYVAGLVAHSDLDERAIEALKEFNE
 DGALAVLQQFKDSDL SHVQNKSAFLCGVMKTYRQREKQGTKVADSSKGPDEAKIKALLERTGYTLDVTTG
 QRKYGGPPPSVYSGQQPSVGTIFVVGKIPRDLFEDELVPLFEKAGPIWDLRLMMDPLTGLNRGYAFVTF
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 DKKKNRGFCFLEYEDHKTAQAARRRLMSGKVKVWGNVGTVEWADPIEDPDPEVMKVKLVFVRNLANTVT
 EEILEKAFSQFGKLERVKLKDYAFIHFDERDGAVKAMEEMNGKLEGENIEIVFAKPPDQKRKERKAQR
 QAAKNQMYDDYYPHPPPTTRGRGRGGGYGYPDYGYEDYDYGYDYHNYRGGYEDPYGYED
 FQVGARGRGRGARGAAPSRRGAAPPRGRAGYSQRGGPGSARGVARGGAQQQRGRVARGRGRGN
 VGGKRKADGYNQPSKRRQTNNQNWGSQPIAQQPLQGGDHSGNYGKSENQEFYQDTFGQWK

SGP**TRRRLEQKLI**SEEDLAANDILDYKDDDDK**V**

Chromatograms: https://cdn.origene.com/chromatograms/mg4775_d05.zip
Restriction Sites: SgfI-RsrII
Cloning Scheme:



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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006372.5](#)

RefSeq Size: 2932 bp

RefSeq ORF: 1872 bp

Locus ID: 10492

UniProt ID: [O60506](#)

Cytogenetics: 6q14.3

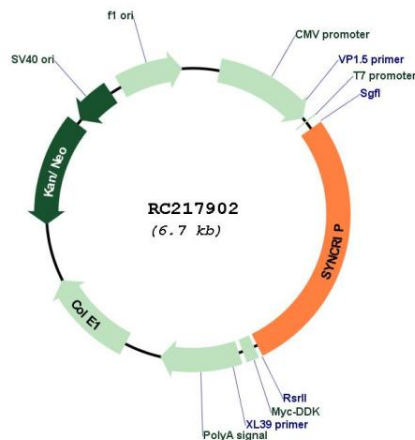
Domains: RRM

Protein Families: Stem cell - Pluripotency

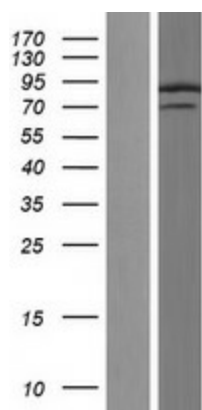
MW: 69.4 kDa

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 RC217902



Western blot validation of overexpression lysate (Cat# [LY416691]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217902 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).