

## Product datasheet for **SC127486**

### hnRNP Q (SYNCRIP) (NM\_006372) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP Q (SYNCRIP) (NM_006372) Human Untagged Clone
Tag:	Tag Free
Symbol:	hnRNP Q
Synonyms:	GRY-RBP; GRYRBP; hnRNP-Q; HNRNPQ; HNRPQ1; NSAP1; PP68
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_006372, the custom clone sequence may differ by one or more nucleotides

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ATGGCTACAGAACATGTTAATGGAAATGGTACTGAAGAGCCCATGGATACTACTTCTGCAGTTATCCATT
CAGAAAAATTTTCAGACATTGCTTGATGCTGGTTTACCACAGAAAAGTTGCTGAAAACTAGATGAAATTTA
CGTTGCAGGGCTAGTTGCACATAGTGATTTAGATGAAAGAGCTATTGAAGCTTTAAAAGAATTCAATGAA
GACGGTGCATTGGCAGTTCTTCAACAGTTTAAAGACAGTGATCTCTCATGTTCAAGCAAAAAGTGCCT
TTTTATGTGGAGTCATGAAGACTTACAGGCAGAGAGAAAAACAAGGGACCAAAGTAGCAGATTCTAGTAA
AGGACCAGATGAGGCAAAAATTAAGGCACTCTTGAAAGAACAGGCTACACACTTGATGTGACCACTGGA
CAGAGGAAGTATGGAGGACCACCTCCAGATTCCGTTTATTCAGGTGAGCAGCCTTCTGTTGGCACTGAGA
TATTTGTGGGAAAGATCCCAAGAGATCTATTTGAGGATGAACTTGTCCATTATTTGAGAAAAGCTGGACC
TATATGGGATCTTCGTCTAATGATGGATCCACTACTGGTCTCAATAGAGGTTATGCGTTTGTCACTTTT
TGTACAAAAGAAGCAGCTCAGGAGGCTGTTAACTGTATAATAATCATGAAATTCGTTCTGGAAAACATA
TTGGTGTCTGCATCTCAGTTGCCAACAATAGGCTTTTTGTGGGCTCTATTCCTAAGAGTAAAACCAAGGA
ACAGATTCCTGAAGAATTTAGCAAAAGTAACAGAGGGTCTTACAGACGTCATTTTATACCACAACCGGAT
GACAAGAAAAAAAACAGAGGCTTTTGTCTTCTGAATATGAAGATCACAACACAGCTGCCAGGCAAGGC
GTAGGTTAATGAGTGGTAAAGTCAAGGTCTGGGGAAATGTTGAACTGTTGAATGGGCTGATCCTATAGA
AGATCCTGATCCTGAGGTTATGGCAAAGGTAAGTGTCTGTTGTACGCAACCTTGCCAATCTGTAAACA
GAAGAGATTTTAGAAAAGGCATTTAGTCAGTTTGGGAACTGGAACGAGTGAAGAAGTTAAAAGATTATG
CGTTCATTCATTTTATGATGAGCGAGATGGTGTCTCAAGGCTATGGAAGAAATGAATGGCAAAGACTTGA
GGGAGAAAAATTTGAAATTTGTTTTGCCAAGCCACCAGATCAGAAAAGGAAAGAAAAGAAAGCTCAGAGG
CAAGCAGCAAAAAATCAAATGTATGACGATTACTACTATTATGGTCCACCTCATATGCCCTCCAAACA
GAGGTCGAGGGCGTGGAGGTAGAGGTGGTTATGGATATCCTCCAGATTATTATGGATATGAAGATTATTA
TGATTATTATGGTTATGATTACCATAACTATCGTGGTGGATATGAAGATCCATACTATGGTTATGAAGAT
TTTCAAGTTGGAGCTAGAGGAAGGGTGGTAGAGGAGCAAGGGGTGCTGCTCCATCCAGAGGTGCTGGGG
CTGCTCTCCCGCGGTAGAGCCGTTTATCACAGAGAGGAGGTCCTGGATCAGCAAGAGGCGTTTCGAGG
TGCGAGAGGAGGTGCCAACAACAAGAGGCGCGGGGTACGTGGTGGAGGGGTGGCCGCGGTGGAAT
GTAGGAGGAAAGCGCAAAGCTGATGGGTACAACCAGCCAGATTCCAAGCGGCCAGACCAATAATCAGA
ACTGGGGCTCCCAACCCATTGCTCAGCAACCGCTCCAAGGTGGTATCATTCTGGTAACTATGGTTACAA
ATCTGAAAACCAGGAGTTTATCAGGATACTTTTGGGCAACAGTGAAGTAG
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006372 unedited

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AATACGACTCACTATAGGGCGCCGCAATTCGGCACGAGGGCGAGTGGAACTGGATCGG
GTTTGTGCCAGCGCGGTGAGCTTCGGCCGCCATTTACAACAGCTCCACTCGCGCCGA
CACAGGGAGCAGCGAGCACGCGTTTCCCGCAACCCGATACCATCGGACAGGATTTCTCCG
CCTCAGCCCAACGGGGAGGGCTAGTTGCACATAGTGATTTAGATGAAAGAGCTATTGAAG
CTTTAAAAGAATTCAATGAAGACGGTGCATTGGCAGTTCTTCAACAGTTTAAAGACAGTG
ATCTCTCTCATGTTCAAGCAAAAAGTGCCTTTTTATGTGGAGTCATGAAGACTTACAGGC
AGAGAGAAAAACAAGGGACCAAAGTAGCAGATTCTAGTAAAGGACCAGATGAGGCAAAA
TTAAGGCACTCTTGAAAGAACAGGCTACACACTTGATGTGACCACTGGACAGAGGAAAGT
ATGGAGGACCACCTCCAGATTCCGTTTATTCAGGTGAGCAGCCTTCTGTTGGCACTGAGA
TATTTGTGGGAAAGATCCCAAGAGATCTATTTGAGGATGAACTTGTCCATTATTTGAGA
AAGCTGGACCTATATGGGATCTTCGTCTAATGATGGATCCACTACTGGTCTAATAGAGT
TATGCGTTTGTCACTTTTTGTACANAAGAACAGCTCAGGAGGCTGTTAACTGTATATAAT
CATGAAATTCGTCTGGAACATATTTGGTGTCTGATTCTCAGTTGCCACATAGGCTTTTTG
GGGGGCTTATCCTAAGAGTAAACAGGGACAGATCTTTGAGAATTAGCAAGTACCAGAGGG
CTAAACGACGTCATTTATACCACAACCGGAGACAGAAAAACAGAGCCTTTGCTTCTGAA
AAAGAGAATCCAACAGCTGCAGC
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_006372 unedited TCATTTTGTGGTGGATTTTTATTGGAAATAAACAAACAGCATAAANAATACAAGTAGCCA AAATGGTTTTGAAAACCCAAATTAGGTCAAAGTTCTAAATTAATAATAGCAGTTGTGTAT CAATTTACCTTATTCTAGCAATTAAGTTGGTAACATACAAAGTTATTCTGATACAAGAT ATTAAGACACACTTGGTTTTAATCAACTACCTTTGAAGACACCAATCTAAACACTACT GAAACATCGTTGACACTACAGCCAAATGGACTTGAGCCAAATTTCTCAAGCACAAATG CAAACTATTAATACTTTCTTTTCAGTATCTAAGAATATCTTTATTGAAAAAATTAATA TAAATCAGTTCGCCAGAGCAGTTAGAAGTGTGGCTTTGTTTCGTGTCCAAGCGATTGT TAAATATATACATAAAGGGAAATCTTGCCAGATGTCACAAATTATAGCGGCACCCGTTT AGATTTAGGGTGAGTTTCTGATCAACCTATCAGTCTCCAATTTTACAGAGGCCCTACTGT TTCTACTTCCACTGTTGCCAAAAGTATCCTGATAAACTCCTGGTTTTTTCAGATTTGTAA CCATAGTTACCAGAATGATCACCACCTTGGAGCGGTTGCTGAGCAATGGGTTGGGAGCCC CAGTTCTGATTATTGGTCTGGCGCCGCTTGAATCTGGCTGGTTGTACCCATCAGCTTTG CGTTTTCTCTACATTTCCACCGGGCACCCCTCGCACACGTACCCCGCGGCTCTT TGTGTTGGGCACCTNCTCTCGCACCTNGAACGCTNTTGTGATCCAGGACCTCCTCTC TGTGAAATACCGCTCTACCGCGGGGAGAGCAGCCACGACCTCTGGATGAGCAGACCC NTGCTCCTCTACCCCTTCTTTTAGCTCACTGAAATCTTCATACCTANATGGATCTT CATTCCACACGATGTATGGAATCATACCCTAATATCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006372
<b>Insert Size:</b>	2980 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_006372.3, NP_006363.3</u>
<b>RefSeq Size:</b>	2932 bp
<b>RefSeq ORF:</b>	1872 bp
<b>Locus ID:</b>	10492
<b>UniProt ID:</b>	<u>O60506</u>
<b>Cytogenetics:</b>	6q14.3
<b>Domains:</b>	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]

Transcript Variant: This variant (1) encodes the longest isoform (1).