

Product datasheet for SC332223

hnRNP Q (SYNCRIP) (NM_001253771) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP Q (SYNCRIP) (NM_001253771) Human Untagged Clone
Tag:	Tag Free
Symbol:	hnRNP Q
Synonyms:	GRY-RBP; GRYRBP; hnRNP-Q; HNRNPQ; HNRPQ1; NSAP1; PP68
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332223 representing NM_001253771. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAGGACCACCTCCAGATTCCGTTTATTCAGATATTTGTGGGAAAGATCCCAAGAGATCTATTTGAG
GATGAACCTGTTCCATTATTTGAGAAAGCTGGACCTATATGGGATCTTCGTCTAATGATGGATCCACTC
ACTGGTCTCAATAGAGGTTATGCGTTTGTCACTTTTTGTACAAAAGAAGCAGCTCAGGAGGCTGTTAAA
CTGTATAAATCATGAAATTCGTTCTGGAAAACATATTGGTGTCTGCATCTCAGTTGCCAACAAATAGG
CTTTTTGTGGCTCTATTCCTAAGAGTAAAACCAAGGAACAGATTCTTGAAGAATTTAGCAAAGTAACA
GAGGGTCTTACAGACGTCATTTTATACCAACACCGGATGACAAGAAAAAAGCAGAGGCTTTTGTCTTT
CTTGAATATGAAGATCACAAAACAGCTGCCAGGCAAGGCGTAGGTTAATGAGTGGTAAAGTCAAGGTC
TGGGGGAATGTTGGAACGTTGAATGGGCTGATCCTATAGAAGATCCTGATCCTGAGGTTATGGCAAAG
GTAAAAGTGCTGTTTGTACGCAACCTTGCCAATACTGTAACAGAAGAGATTTTAGAAAAGGCATTTAGT
CAGTTTGGGAACTGGAACGAGTGAAGAAGTAAAAGATTATGCGTTCATTCATTTTGTAGGCGAGAT
GGTGTGTCAAGGCTATGGAAGAAATGAATGGCAAAGACTTGGAGGGAGAAAAATATTGAAATGTTTTT
GCCAAGCCACCAGATCAGAAAAGGAAAGAAAAGAAAGCTCAGAGGCAAGCAGCAAAAAATCAAATGTAT
GACGATTACTACTATTATGGTCCACCTCATATGCCCCCTCAACAAGAGGTCGAGGGCGTGGAGGTAGA
GGTGGTTATGGATATCCTCCAGATTATTATGGATATGAAGATTATTGATTATTATGGTTATGATTAC
CATAACTATCGTGGTGGATATGAAGATCCATACTATGGTTATGAAGATTTCAAGTTGGAGCTAGAGGA
AGGGGTGGTAGAGGAGCAAGGGGTGCTGCTCCATCCAGAGGTCGTGGGGCTGCTCCTCCCGCGGTAGA
GCCGTTATTACAGAGAGGAGGTCTGGATCAGCAAGAGGCGTTCGAGGTGCGAGAGGAGGTGCCCAA
CAACAAAGAGGCCGCGGGCAGGGAAAAGGGTTCGAGGCCGCTGACCTGTTACAAATGA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001253771
Insert Size:	1233 bp
OTI Disclaimer:	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).



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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:	<u>NM_001253771.1</u>
RefSeq Size:	6716 bp
RefSeq ORF:	1233 bp
Locus ID:	10492
UniProt ID:	<u>O60506</u>
Cytogenetics:	6q14.3
Protein Families:	Stem cell - Pluripotency
MW:	46.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (7) differs in the 3' UTR, lacks an internal exon, uses an alternate splice site in the coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (7) is shorter and has distinct N- and C-termini, compared to isoform 1.</p>