

Product datasheet for **SC316941**

hnRNP R (HNRNPR) (NM_001102397) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP R (HNRNPR) (NM_001102397) Human Untagged Clone
Tag:	Tag Free
Symbol:	hnRNP R
Synonyms:	hnRNP-R; HNRPR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC316941 representing NM_001102397.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGACCTACAGGCAGAGAGAGAAACAGGGGAGCAAGGTGCAAGAGTCCACAAAGGGACCTGATGAA
GCCAAGATCAAGGCCTTGCTTGAGAGAACTGGTTATACTCTGGATGTAACACAGGACAGAGGAAGTAT
GGTGGTCTCCACCAGACAGTGTGTACTCTGGCGTGCAACCTGGAATTGGAACGGAGGTATTTGTAGGC
AAAATACCAAGGGATTTATATGAGGATGAGTTGGTGCCCTTTTGTGAGAGGCCGGACCCATTTGGGAT
CTACGTCTTATGATGGATCCACTGTCCGGTCAGAATAGAGGGTATGCATTTATCACCTTCTGTGGAAG
GAAGCTGCACAGGAAGCCGTGAACTGTGTGACAGCTATGAAATTCGCCCTGGTAAACACCTTGGAGTG
TGCATTTCTGTGGCAAACAACAGACTTTTTGTTGGATCCATTCCGAAGAATAAGACTAAAGAAAACATT
TTGGAAGAATTCAGTAAAGTCACAGAGGGTTTGGTGGACGTTATTCTCTATCATCAACCCGATGACAAA
AAGAAGAATCGGGGTTCTGCTTCTTGAATATGAGGATCACAAGTCAGCAGCACAAGCCAGACGCCGG
CTGATGAGTGGAAAAGTAAAAGTGTGGGAAATGTAGTTACAGTTGAATGGGCTGACCCTGTGGAAGAA
CCAGATCCAGAAGTCATGGCTAAGGTAAAAGTTTTGTTGTGAGAACTTGGCTACTACGGTGACAGAA
GAAATATTGGAAGATCATTTTCTGAATTTGGAAGAACTCGAAAGAGTAAAGAAAGTTGAAAGATTATGCA
TTTGTTCATTTTGAAGACAGAGGAGCAGCTGTTAAGGCTATGGATGAAATGAATGGCAAAGAAATAGAA
GGGGAAGAAATGAAATAGTCTTAGCCAAGCCACCAGACAAGAAAGGAAAGAGCGCCAAGCTGCTAGA
CAGGCCTCCAGAAGCACTGCGTATGAAGATTATTACTACCACCCTCCTCCTCGCATGCCACCTCCAATT
AGAGGTCGGGGTCGTGGTGGGGGAGAGGTGGATGGCTACCCTCCAGATTACTACGGCTATGAAGAT
TACTATGATGATTACTATGGTTATGATTATCACGACTATCGTGGAGGCTATGAAGATCCCTACTACGGC
TATGATGATGGCTATGCAGTAAGAGGAAGAGGAGGAGGAAGGGGAGGGCGAGGTGCTCCACCACCACCA
AGGGGGAGGGGAGCACCCTCCAAGAGGTAGAGCTGGCTATTCACAGAGGGGGGACCTTTGGGACCA
CCAAGAGGCTCTAGGGGTGGCAGAGGGGTCTGCTCAACAGCAGAGAGGCCGTGGTTCCCGTGGATCT
CGGGGCAATCGTGGGGCAATGTAGGAGCAAGAGAAAGGCAGATGGGTACAACAGCCTGATTCCAAG
CGTCGTCAGACCAACAACCAACAGAAGTGGGGTCCCAACCCATCGCTCAGCAGCCGCTTCAGCAAGGT
GGTGACTATTCTGGTAATATGGTTACAATAATGACAACCAGGAATTTATCAGGATACTTATGGCAA
CAGTGAAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001102397

Insert Size: 1599 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001102397.2](#)

RefSeq Size: 7703 bp

RefSeq ORF: 1599 bp

Locus ID: 10236

Cytogenetics: 1p36.12

MW: 59.7 kDa

Gene Summary: This gene encodes an RNA-binding protein that is a member of the spliceosome C complex, which functions in pre-mRNA processing and transport. The encoded protein also promotes transcription at the c-fos gene. Alternative splicing results in multiple transcript variants. There are pseudogenes for this gene on chromosomes 4, 11, and 10. [provided by RefSeq, Jul 2014]

Transcript Variant: This variant (4) lacks an alternate exon in the 5' region and uses an alternate in-frame splice site, compared to variant 1. It initiates translation at a downstream in-frame start codon. The encoded isoform (4) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.