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Product datasheet for SC116479

hnRNP R (HNRNPR) (NM_005826) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP R (HNRNPR) (NM_005826) Human Untagged Clone
Tag:	Tag Free
Symbol:	hnRNP R
Synonyms:	hnRNP-R; HNRPR
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC116479 sequence for NM_005826 edited (data generated by NextGen Sequencing)

ATGGCTAATCAGGTGAATGGTAATGCGGTACAGTTAAAAGAAGAGGAAGAACCAATGGAT
ACTTCCAGTGTAACTCACACAGAACACTACAAGACACTGATAGAGGCAGGCCTCCCACAG
AAGGTGGCAGAAAGACTTGATGAAATATTTCAGACAGGATTGGTAGCTTATGTCGATCTT
GATGAAAGAGCAATTGATGCTCTCAGGGAATTTAATGAAGAAGGAGCTCTGTCTGTACTA
CAGCAGTTCAAGGAAAGTGACTTATCACATGTTCAGAACAAAAGTGCATTTTTATGTGGA
GTTATGAAGACCTACAGGCAGAGAGAGAAACAGGGGAGCAAGGTGCAAGAGTCCACAAAG
GGACCTGATGAAGCGAAGATCAAGGCCTTGCTTGAGAGAACTGGTTATACTCTGGATGTA
ACCACAGGACAGAGGAAGTATGGTGGTCCTCCACCAGACAGTGTGTACTCTGGCGTGCAA
CCTGGAATTGGAACGGAGGTATTTGTAGGCAAAATACCAAGGGATTTATATGAGGATGAG
TTGGTGCCCCTTTTTGAGAAGGCCGGACCCATTTGGGATCTACGTCTTATGATGGATCCA
CTGTCCGGTCAGAATAGAGGGTATGCATTTATCACCTTCTGTGGAAAGGAAGCTGCACAG
GAAGCCGTGAAACTGTGTGACAGCTATGAAATTCGCCCTGGTAAACACCTTGGAGTGTGC
ATTTCTGTGGCAAACAACAGACTTTTTGTTGGATCCATTCCGAAGAATAAGACTAAAGAA
AACATTTTGGAAGAATTCAGTAAAGTCACAGAGGGTTTGGTGGACGTTATTCTCTATCAT
CAACCCGATGACAAAAAGAAGAATCGGGGGTTCTGCTTCCTTGAATATGAGGATCACAAG
TCAGCAGCACAAGCCAGACGCCGGCTGATGAGTGGAAAAGTAAAAGTGTGGGGAAATGTA
GTTACAGTTGAATGGGCTGACCCTGTGGAAGAACCAGATCCAGAAGTCATGGCTAAGGTA
AAAGTTTTGTTTGTGAGAAACTTGGCTACTACGGTGACAGAAGAAATATTGGAAAAGTCA
TTTTCTGAATTTGGAAAACTCGAAAGAGTAAAGAAGTTGAAAGATTATGCATTTGTTCAT
TTTGAAGACAGAGGAGCAGCTGTTAAGGCTATGGATGAAATGAATGGCAAAGAAATAGAA
GGGGAAGAAATTGAAATAGTCTTAGCCAAGCCACCAGACAAGAAAAGGAAAGAGCGCCAA
GCTGCTAGACAGGCCTCCAGAAGCACTGCGTATGAAGATTATTACTACCACCCTCCTCCT
CGCATGCCACCTCCAATTAGAGGTCGGGGTCGTGGTGGGGGGAGAGGTGGATATGGCTAC
CCTCCAGATTACTACGGCTATGAAGATTACTATGATGATTACTATGGTTATGATTATCAC
GACTATCGTGGAGGCTATGAAGATCCCTACTACGGCTATGATGATGGCTATGCAGTAAGA
GGAAGAGGAGGAGGAAGGGGAGGGCGAGGTGCTCCACCACCACCAAGGGGGAGGGGAGCA
CCACCTCCAAGAGGTAGAGCTGGCTATTCACAGAGGGGGGCACCTTTGGGACCACCAAGA
GGCTCTAGGGGTGGCAGAGGGGGTCCTGCTCAACAGCAGAGAGGCCGTGGTTCCCGTGGA
TCTCGGGGCAATCGTGGGGGCAATGTAGGAGGCAAGAGAAAGGCAGATGGGTACAACCAG
CCTGATTCCAAGCGTCGTCAGACCAACAACCAACAGAACTGGGGTTCCCAACCCATCGCT
CAGCAGCCGCTTCAGCAAGGTGGTGACTATTCTGGTAACTATGGTTACAATAATGACAAC
CAGGAATTTTATCAGGATACTTATGGGCAACAGTGGAAGTAG

Clone variation with respect to NM_005826.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005826 unedited
CGCGTTCAGAATTGTAAACGACTCATATAGGCGGCCGCGCAATTCGCACGAGGGCCCCCG
CTCTGCCCTGCAGCATAATAAAATGGCTAATCAGGTGAATGGTAATGCGGTACAGTTAAA
AGAAGAGGAAGAACCAATGGATACTTCCAGTGTAACTCACACAGAACACTACAAGACACT
GATAGAGGCAGGCCTCCCACAGAAGGTGGCTTAAAGACTTGATGAAATATTTCAGACAGG
ATTGGTAGCTTATGTCGATCTTGATGAAAGAGCAATTGATGCTCTCAGGGAATTTAATGA
AGAAGGAGCTCTGTCTGTACTACAGCAGTTCAAGGAAAGTGACTTATCACATGTTCAGAA
CAAAAGTGCATTTTTATGTGGAGTTATGAAGACCTACAGGCAGAGAGAGAAACAGGGGAG
CAAGGTGCAAGAGTCCACAAAGGGACCTGATGAAGCGAAGATCAAGGCCTTGCTTGAGAG
AACTGGTTATACTCTGGATGTAACCACAGGACAGAGGAAGTATGGTGGTCCTCCACCAGA
CAGTGTGTACTCTGGCGTGCAACCTGGAATTGGAACGGAGGTATTTGTAGGCAAAATACC
AAGGGATTTATATGAGGATNGAGTGGTGCCCCTTTTTGAGAAGGCCGGACCCATTTGGGA
TCTACGTCTTATGATGGATCCACTGTCCGGTCAGAATAGAGGGTATGCATTTATCACCTT
CTGTGGAAGGAAGCTGCACAGAAAGCCGTGAAACTGTGTGACAGCTATGAAATTCGCCCT
GGTAAACACCTTGGAGTGTGCATTTCTGTGGCAAACAACAGACTTTNTGTTGGATCCATT
CCGAAGAATAGACTAAAGAAAACATTNTGGAAGAATTCAGTANAGTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005826 unedited
GCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTGAAAAGGTAATGTTTTGAAT
AGATTTTTTAGTTTTATTGAAATCTTACATGAACAAGAAATTGGAAATACAATCACATCA
AAGAACAAATTGTCACGGCTTTTGACGTTTAAGCCAAACAAATTTTGTAGGGCAGATTTC
AAAAAGGTGTGAAGTTATAACAATTTAAAAACACAGTTAACCTACTTCTAGGAATGCAAA
ACATACAATCATAGGTTATTTTCAATACAAGAAAACTTAAATTTGTTTGCTTTAATTTCT
TAAAACTACTAAGACAAAGCACTAGCTTGTATTTTTATTTACAGCATACTCCATACTCCT
ATGTAATCTATCCCAAATCCAAAAAAATGAAACTGTCCAAAACCAAAGGTTCTGCAAAAT
CATGATTTAACAGTGTGCCCAGCTTGTTTTGAAGCTAAAATGAAGCCTGAAACGATAAAA
GCATTGTAATCCCCAGAATAAGGGAACTCTGCAAGCCCAATAATGTCCAAGAGCATTTAT
GAAAAGAGGAAAAATAAAAAGACTTGAGTATATACACAATAGTGATTTCTTCAGCCCAAT
ACAAATGGCAGCAAAATGCTACTTAAAGATGAAACAGTTAAGCCAATTTTTTTTTTTGAA
GAATGTAGATCTAGAGCCAATCGTATCTTGCCAGTATCATTTTCAAGCCCTTACTTGTCT
ACTTCCACTGTTGCCCATAAGTATCCTGATAAAATTCCTGGGTGTCATTATTGTAACCAT
AGTTACCAGAATAGTCACCACCTTGCTGAANNCGCTGCTGAGCGATGGGTTTGGAACCCC
AGTTCTGTTGGTTGTTGGTCTGACACGCTTGAATANNGCTGNTGTACCATCTGCCTTCTC
TTGCTCTACATTGCCCACGATGNCCCGAATCACGG

Restriction Sites: NotI-NotI

ACCN: NM_005826

Insert Size: 2630 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).

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_005826.2, NP_005817.1
RefSeq Size:	2663 bp
RefSeq ORF:	1902 bp
Locus ID:	10236
UniProt ID:	O43390
Cytogenetics:	1p36.12
Domains:	RRM
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 (2, also known as R1) uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (2) 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.