

Product datasheet for **SC114169**

RSRC1 (NM_016625) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	RSRC1
Synonyms:	BM-011; MRT70; SFRS21; SRrp53
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF within SC114169 sequence for NM_016625 edited (data generated by NextGen Sequencing)

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ATGGGACGTCGGTCATCAGATACTGAAGAAGAAAGCAGAAGCAAGAGAAAAAGAAACAC
CGTAGACGGTCCTCCTCGAGCAGTTCTTCAGATAGTAGAACATACAGCCGAAAGAAAGGA
GGAAGGAAATCAAGATCAAAGTCAAGATCTTGGTCCAGAGATCTTCAGCCTCGTTCACAT
TCTTATGATAGAAGACGCAGGCATCGATCAAGCAGTAGCTCTTCTTATGGTCCAGAAGG
AAACGAAGTCGAAGTCGTTCAAGGGGTCGAGGGAAATCCTATAGAGTTCAGAGGTCTAGG
TCAAAAAGCAGAACAAAGAAGGTCCAGGTCAAGACCTCGTCTCCGTTCTCATAGTCGTAGC
AGTGAAAGGTCCAGTACAGAGAAGACGCGTAGTCGGTCTCGGGATAGAGAACGACGTAAG
GGCAGAGATAAAGAGAAAAGAGAAAAGGAGAAGGATAAAGGGAAGGACAAGGAATTACAT
AACATCAAACGTGGGGAATCTGAAACATCAAAGCTGGATTAGAACATCTGCCACCAAGCT
GAACAGGCCAAAGCCAGACTACAGCTGGTTCTTGAAGCTGCTGCAAAAGCTGATGAAGCA
TTGAAAGCCAAAGAAAGAAATGAGGAAGAAGCAAGAGAAGAAAGGAGGAAGACCAAGCC
ACCCTGGTAGAACAAAGTAAAAAGAGTAAAAAGAAATTGAAGCTATTGAAAGTGATTCTTTT
GTTCAGCAGACATTCAAGTAAAGAAAGTCAAAAGTCAAGTGAACCTAGTGAAGTG
AAACAAGCAACTTCAACATCAGGACCAGCATCAGCAGTTGCTGATCCACCCAGTACTGAA
AAAGAAATAGATCCTACCAGCATCCCTACTGCTATCAAGTACCAAGATGACAATTCCTG
GCCATCCAAATTTATTTATCGAGAAAGCTGATGCTGAGGAAAAATGGTTCAAGAGATTA
ATTGCTCTCCGACAAGAAAGACTAATGGGCAGTCCTGTGGCCTAA
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Clone variation with respect to NM_016625.2



5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_016625 unedited
 TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTGAGCTTAACT
 GAAGCAAGTTCGGTGGACGCCGGCGCCCTGATCTAAAGAAACGACTCAGGACTGCG
 GCGCTTGCAGTCAACGGGAGGTGTGAGCCCAAAGGTCTGGACCCAGAAATGGGACGTCG
 GTCATCAGATACTGAAGAAGAAAGCAGAAGCAAGAGAAAAAGAAACACCGTAGACGGTC
 CTCCTCGAGCAGTTCTTCAGATAGTAGAACATACAGCCGAAAGAAAGGAGGAAGGAAATC
 AAGATCAAAGTCAAGATCTTGGTCCAGAGATCTTCAGCCTCGTTCACATTCTTATGATAG
 AAGACGAGGCATCGATCAAGCAGTAGCTCTTCTTATGGCTCCAGAAAGGAAACGAAGTCG
 AAGTCGTTCAAGGGGTCGAGGGAATCCTATAGAGTTCAGAGGTCTAGGTCAAAAAGCAG
 AACAAGAAGGTCCAGGTCAAGACCTCGTCTCCGTTCTCATAGTCGTAGCAGTGAAAGGTC
 CAGTCACAGAAGAACCGTAGTCGGTCTCGGGATAGAGAACGACGTAAGGGCAGAGATAA
 AGAGAAAAGAGAAAAGGAGAAGGATAAAGGGAAGGACAAGGAATTACATAACATCAAACG
 TGGGGAATCTGGAACATCAAAGCTGGATTAGAACATCTGCCACCAGCTGAACAGGCCAAA
 GCCAGACTACAGCNTGTTCTTNGAAGCTGCTGAAAAGCTGATGAAGCATTNGAAGCCA
 AAGAAAGAAATGAGGAAGAAGCANAGAGAAGAAAGGAGGAAGACCAANGCCACCCTGGTA
 GAAACAGTAAAAAGAGTANAGAAATTGNAGCTATTGAAAGTGATTNCTTT

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_016625 unedited
 GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATTTGGGGCACTTTTATTTACAGCCA
 AGGAAAAAGAACTAGCATCTATTTAGAAATGGGAAAGCATGTTTGTATGAAAAAAATA
 TTTTCATCACTTATTTTCTATACTGTTTGCAACTAAGTTTTACATTTTTCATTTTCAA
 CAGAGATTTGAATTTTAAATGTCCAGAAATATAAAGAAGATGGCATTAAATGTCCTATA
 TGTTGGCAGTCCTACCCTGAAAACCTTTTTTGTCTTATCTTTTGTCTGAGCTACAGTCTT
 CGCAGAGACTAAATTAGTACTGGACAACAGAAGAAATAGACCATCCTGGCTAAAATGG
 TGAAACCCCATCTCTACTAAAAACACAAAAAATTACCTGGGCATGTAGCGGGTGCCTGT
 ATTCCAGCTTACTCGGGAGGCTGAGGCAAGAGAATGGCGTGAACCCTGGGAGGCGGACC
 TTGCAGTGACCTGAGATCGCCCACTGCACTCCACCATTGGGGGATAGAGCGAGACTCCC
 TCTCAAAAAAAAAAAAAATGGAACCAACGGAATTTGAACCGGAATTATCCATGTCA
 GCTGTTTAAAAACCAAGTTTTGTAAAGCAAGCCCTAAAAGCCCTATCTTCTGGCTGCTCAGT
 ATGGAACGTATAGCCGATTGGAATTCAGCTCTTAAAGAAAGGTTTCTACAAGGCGAGAT
 ACCCTAATAAAACATAACCGTTTTTCCAGGGAATACCATGGGGAATTAATTAAGG
 AAATTTTATCCCTTCTAAGAAAGAATTCTCTATACGTATTGGCCACTGGGTAGGCTAC
 CTGAACCTGGATTTTAAAAATGACCTAAATCTGTAAATTTTAAAGACTTTACAAAC
 TCTTTTTTAACAAACACCATTTATAAATTAATAATTTTCCAAAAAGTTTTTAAACCCC
 TTCGCTAACTGTAGGGGCTTTTTGGC

Restriction Sites:

NotI-NotI

ACCN:

NM_016625

Insert Size:

2800 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_016625.1, NP_057709.1</u>
RefSeq Size:	731 bp
RefSeq ORF:	522 bp
Locus ID:	51319
UniProt ID:	<u>Q96IZ7</u>
Cytogenetics:	3q25.32
Gene Summary:	This gene encodes a member of the serine and arginine rich-related protein family. The encoded protein is involved in both constitutive and alternative mRNA splicing. This gene may be associated with schizophrenia. A pseudogene of this gene is located on chromosome 9. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Nov 2012] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.