

Product datasheet for **RC202664**

RSRC1 (NM_016625) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RSRC1 (NM_016625) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RSRC1
Synonyms:	BM-011; MRT70; SFRS21; SRrp53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202664 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACGTCGGTCATCAGATACTGAAGAAGAAAGCAGAAGCAAGAGAAAAAGAAACACCGTAGACGGT
CCTCCTCGAGCAGTTCTTCAGATAGTAGAACATACAGCCGAAAGAAAGGAGGAAGGAAATCAAGATCAAA
GTCAAGATCTTGGTCCAGAGATCTTCAGCCTCGTTCACATTCTTATGATAGAAGACGCAGGCATCGATCA
AGCAGTAGCTCTTCTTATGGCTCCAGAAGGAAACGAAGTCGAAGTCGTTCAAGGGGTCGAGGAAATCCT
ATAGAGTTCAGAGGTCTAGGTCAAAAAGCAGAACAAGAAGTCCAGGTCAAGACCTCGTCTCCGTTCTCA
TAGTCGTAGCAGTGAAAGGTCCAGTCACAGAAGAACGCGTAGTCGGTCTCGGGATAGAGAACGACGTAAG
GGCAGAGATAAAGAGAAAAGAGAAAAGGAGAAGGATAAAGGGAAGGACAAGGAATTACATAACATCAAAC
GTGGGGAATCTGGAAACATCAAAGCTGGATTAGAACATCTGCCACCAGCTGAACAGGCCAAAGCCAGACT
ACAGCTGGTCTTGAAGCTGCTGCAAAAGCTGATGAAGCATTGAAAGCCAAAGAAAGAAATGAGGAAGAA
GCAAAGAGAAGAAAGGAGGAAGACCAAGCCACCCTGGTGAACAAGTAAAAAGAGTAAAAAGAAATGAAAG
CTATTGAAAGTGATTCTTTGTTTCAGCAGACATTAGATCAAGTAAAGAAGTCAAAAAGTCAGTGGAAAC
TAGTGAAGTGAACAAGCAACTTCAACATCAGGACCAGCATCAGCAGTTGCTGATCCACCCAGTACTGAA
AAAGAAATAGATCCTACCAGCATCCCTACTGCTATCAAGTACCAAGATGACAATTCCTGGCCCATCCAA
ATTTATTTATCGAGAAAGCTGATGCTGAGGAAAAATGGTTCAAGAGATTAAATTGCTCTCCGACAAGAAAG
ACTAATGGGCAGTCTGTGGCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC202664 protein sequence
Red=Cloning site Green=Tags(s)

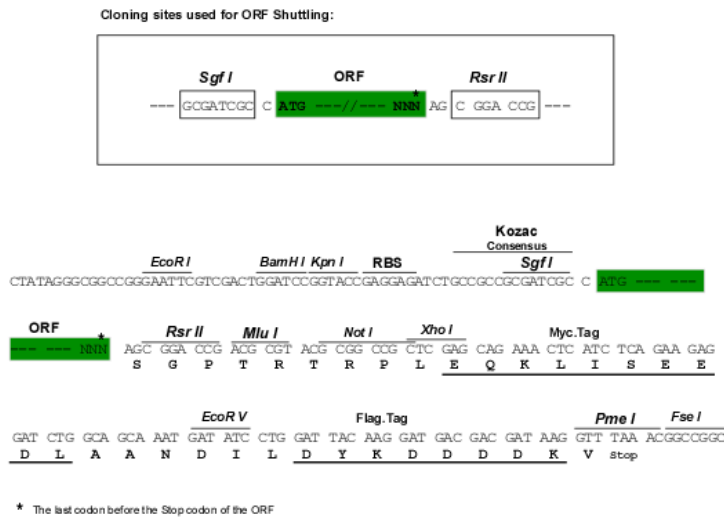
MGRRSSDTEEESRSKRKKKHRRRSSSSSSSDSRTYSRKKGGGRKSRSKSRWSRDLQPRSHSYDRRRRHRS
 SSSSSYGSRRKRSRSRGRGKSYRVQSRKSRTRRSRSPRLRSHSRSSERSSHRTRRSRDRERRK
 GRDKREKEKDKGKDKELHNIKRGESGNIKAGLEHLPPAEQAKARLQLVLEAAAKADEALKAKERNEEE
 AKRRKEEDQATLVEQVKRVKEIEAIESDSFVQQTFRSSKEVKKSVPESEVKQATSTSGPASAVADPPSTE
 KEIDPTSIPTAIKYQDDNSLAHPNLFIEKADAEKWKRLIALRQERLMGSPVA

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6618_c10.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_016625

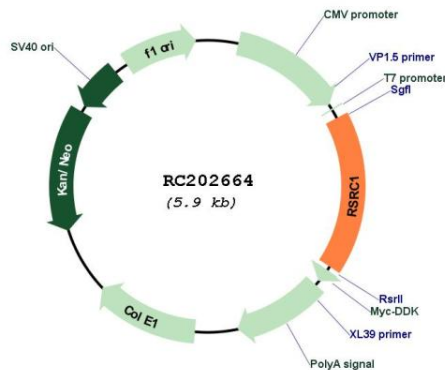
ORF Size: 1002 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_016625.3</u> , <u>NP_057709.2</u>
RefSeq Size:	1754 bp
RefSeq ORF:	1005 bp
Locus ID:	51319
UniProt ID:	<u>Q96IZ7</u>
Cytogenetics:	3q25.32
MW:	38.7 kDa
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]

Product images:



Circular map for RC202664