

Product datasheet for **RC201453**

RRS1 (NM_015169) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RRS1 (NM_015169) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RRS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201453 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGCCAGAGCGTGGAGGAGCTGCTCGCAAAGGCAGAGCAGGACGAGGCAGAGAAGTTGCAACGCA
TCACGGTGCACAAGGAGCTGGAGCTGCAGTTTGACCTGGGCAACCTGCTGGCGTCGGACCGGAACCCCC
GACCGGGTGCCTGCGCCGACCCACGCCGAGGCGGAGCTACAGGCCCTGGCGCGGACAACACGCAA
CTGCTCATCAACCAGCTGTGGCAGCTGCCACGGAGCGCGTGAAGAGGCGATAGTGGCGCGCTGCCGG
AGCCACCACAGCCTGCCCGAGAGAAGCCTCTGCCCGACCGCGCCACTTACACGCTGGCAGCAGTT
CGCGCGCCTCAAGGGCATCCGTCCCAAGAAGAAGACCAACCTGGTGTGGGACGAGGTGAGTGGCCAGTGG
CGCGCGCTGGGGCTACCAGCGCGCCCGGACGACACCAAGAATGGCTGATTGAGGTGCCCGCAATG
CCGACCCCTTGGAGGACCAGTTCGCAAGCGGATTGAGGCAAGAAGAAAGGGTGGCAAGAACGAGCT
GAACCGGCTGCGTAACCTGGCCCGCGCACAAGATGCAGCTGCCAGCGCGCCGGCTTGACCCCTACC
GGACACCAGAGTAAGGAGGAGCTGGCCCGCCATGCAAGTGGCCAAGGTCTCCACCGCCTCTGTGGGGC
GCTTTCAGGAGCGCCTCCCAAGGAGAAGGTGCCCGGGGCTCCGGCAAGAAAAGGAAGTTTCAACCCCT
TTTCGGGGACTTTCAGCCGAGAAAAAGAACAGTTGGAGCTGCTTCGTGTCATGAACAGCAAGAAGCCT
CAGCTGGATGTGACTAGGGCCACCAATAAGCAGATGAGGGAGGAGACCAGGAGGAGGCCCAAGAGGA
GAAAAATGAGCCAGAAGGCAAGAGAAAGGAGGCCCGGCAGGGGCTGGGGCAAGAGGAAAGGGGGCC
GCCAGCCAGGGAGGAAAGAGGAAAGGGGCTTGGGAGGCAAGATGAATTCTGGGCCCTGGCTTGGGT
GGCAAGAGAAAAGGAGGACAGCGCCAGGAGGAAAGAGGAGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC201453 protein sequence
Red=Cloning site Green=Tags(s)

MEGQSVEELLAKAEQDEAEKLQRITVHKELELQFDLGNLLASDRNPPTGLRCAGPTPEAELQALARDNTQ
 LLINQLWQLPTERVEEAIVARLPEPTTRLPREKPLPRRPLTRWQQFARLKGIRPKKKTNLVWDEVSGW
 RRRWGYQRARDDTKEWLIEVPGNADPLEDQFAKRIQAKKERVAKNELNRLNRLARAHKMQLPSAAGLHPT
 GHQSKEELGRAMQYAKVSTASVGRFQERLPKEKVPRGSGKKRKFQPLFGDFAAEKKNQLELLRVMNSKKP
 QLDVTRATNKQMRREDQEEAAKRRKMSQKGRKGGRRQGGKRRKGGPPSQGGKRRKGGKMGKMSGPPGLG
 GKRRGGQRPGGKRRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6419_g12.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_015169

ORF Size: 1095 bp

OTI Disclaimer: 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:

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_015169.4](#)

RefSeq Size: 1724 bp

RefSeq ORF: 1098 bp

Locus ID: 23212

UniProt ID: [Q15050](#)

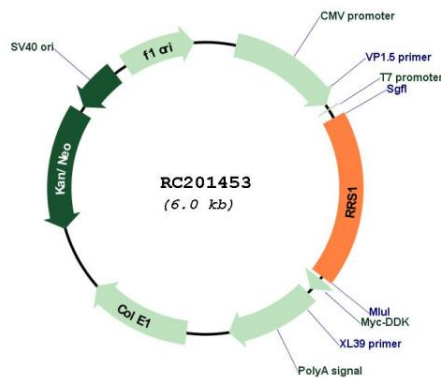
Cytogenetics: 8q13.1

Domains: DUF660

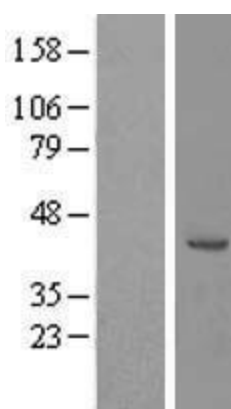
MW: 41.2 kDa

Gene Summary: Involved in ribosomal large subunit assembly. May regulate the localization of the 5S RNP/5S ribonucleoprotein particle to the nucleolus.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC201453



Western blot validation of overexpression lysate (Cat# [LY414760]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201453 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).