

Product datasheet for **MR205622**

Rrs1 (NM_021511) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rrs1 (NM_021511) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rrs1
Synonyms:	5730466A07Rik; AA415037; D1ErtD701e; Rrr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205622 representing NM_021511 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGCCAGCGCTGGAGGAGCTGCTGGCCAAGGCAGAGCAGGAGGAGGCGGAGAAGCTGCAGCGCA
TCACGGTGCACAAGGAGCTGGAGCTGGAGTTCGACCTGGGCAACCTGCTGGCTTCGGACCGCAACCCCC
GACCGTGTGCGCCAGGCCGGGCGCTCGCCGAGGCCGAGCTGCGGGCCCTGGCGCGGACAACACGCAG
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AGCCCGCCACTCGCTGCCCCGCGAGAAGCCGCTGCCCCGACCACGGCCGCTACCCGCTGGCAGCAGTT
CGCGCGCCTTAAGGGAATCCGTCCCAAGAAGAAGACCAACCTCGTGTGGGACGAGGCGAGTGGCCAGTGG
CGGCGCCGTTGGGGCTACAAGCGCGCCCGGATGACACTAAAGAATGGCTGATCGAGGTGCCTGGGAGCG
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GAACCGTCTGCGGAACCTGGCTCGCGCGCACAAGATGCAGATGCCAGCTCAGCCGGCTGCACCCCTACT
GGACACCAGAGTAAGGAAGAGCTGGGCCGCGCCATGCAAGTGGCCAAGTTTCCACCGCTTCGGTGGGAC
GCTTCAGGAGCGCCTTCCCAAGGAGAAAGCTCCCCGGGGCTCCGGCAAGAAGAGGAAGTTTCAGCCCCT
CTTTGGGGAATTCGACGCCGAGAAAAAGAACAGTTGGAGCTACTTCGAGTCATGAACAGCAAGAAACCT
CGGCTGGACGTGACGAGGGCCACCAACAAGCAGATGAGGGAAGAGGACCAGGAGGAGGCTGCCAAGAGGA
GGAAAATGAGCCAGAAAGGCAAGAGGAAAGGGGGCCGGCAAGGACCTTCGGGCAAGAGAAAGGGCGGCC
GCCGGGTGAGGAGAAAAAGGAAAGGAGGCTTGGGAAGCAAAAGCATTCTGGCCTTCTGCTTTAGCT
GGCAAGAAGAAGGAGTGCCGCCCAAGGTGGGAAGAGGAGGAAG

AC**GGGCCGCT**CGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205622 representing NM_021511
 Red=Cloning site Green=Tags(s)

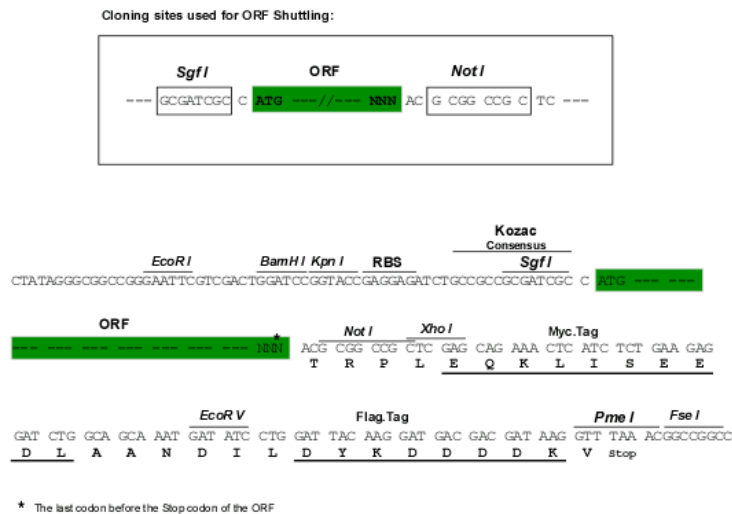
MEGQRVEELLAKAEQEEAEKLQRITVHKELELEFDLGNLLASDRNPPTVLRQAGPSPEAELRALARDNTQ
 LLINQLWRLPTERVEEAVVARLPEPATRLPREKPLPRPRPLTRWQFARLKGIRPKKKTNLVWDEASGQW
 RRRWGYKRARDDTKEWLIEVPGSADPMEDQFAKRTQAKKERVAKNELNRLNRLARAHKMQMPSAGLHPT
 GHQSKEELGRAMQVAKVSTASVGRFQERLPKEKAPRGSGKKRKFPPLFGDFAAEKKNQLELLRVMSKKP
 RLDVTRATNKQMRREEDQEAAKRRKMSQKGRKGGRRQGPSGKRKGGPPGQGEKRGGLGSKKHWSPSALA
 GKKGKGVPPQGGKRRK

TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9089_g09.zip

Restriction Sites: SgfI-NotI

Cloning Scheme:



ACCN: NM_021511

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_021511.2](#), [NP_067486.2](#)

RefSeq Size: 2058 bp

RefSeq ORF: 1098 bp

Locus ID: 59014

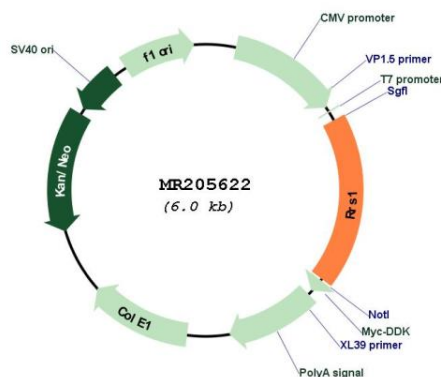
UniProt ID: [Q9CYH6](#)

Cytogenetics: 1 2.08 cM

MW: 41.6 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 MR205622