

Product datasheet for **MG205622**

Rrs1 (NM_021511) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rrs1 (NM_021511) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rrs1
Synonyms:	5730466A07Rik; AA415037; D1ErtD701e; Rrr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205622 representing NM_021511 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GGCGCGCC**

ATGGAGGGCCAGCGCTGGAGGAGCTGCTGGCCAAGGCAGAGCAGGAGGAGGCGGAGAAGCTGCAGCGCA
 TCACGGTGCACAAGGAGCTGGAGCTGGAGTTCGACCTGGGCAACCTGCTGGCTTCGGACCGCAACCCCC
 GACCGTGTGCGCCAGGCCGGGCGCTCGCCGAGGCCGAGCTGCGGGCCCTGGCGCGGACAACACGCAG
 CTGCTCATCAACCAGCTGTGGCGGCTGCCGACCGAGCGCTGGAGGAGCGGTGGTCGCGCGCTTGCCGG
 AGCCCCCACTCGCTGCCCCGCGAGAAGCCGCTGCCCCGACCACGGCCGCTCACCCGCTGGCAGCAGTT
 CGCGCGCCTTAAGGGAATCCGTCCCAAGAAGAAGACCAACCTCGTGTGGGACGAGGCGAGTGGCCAGTGG
 CGGCGCCGTTGGGGCTACAAGCGCGCCCGGATGACACTAAAGAATGGCTGATCGAGGTGCCTGGGAGCG
 CCGACCCCATGGAAGACCAGTTCCGCAAGAGGACTCAGGCCAAGAAAGAACGCGTGGCCAAGAATGAGCT
 GAACCGTCTGCGGAACCTGGCTCGCGCGCACAAGATGCAGATGCCAGCTCAGCCGGCTGCACCCCTACT
 GGACACCAGAGTAAGGAAGAGCTGGGCCGCGCCATGCAAGTGGCCAAGTTTCCACCGCTTCGGTGGGAC
 GCTTCAGGAGCGCCTTCCCAAGGAGAAAGCTCCCCGGGGCTCCGGCAAGAAGAGGAAGTTTCAGCCCCT
 CTTTGGGACTTCGACGCCGAGAAAAAGAACAGTTGGAGCTACTTCAGTCATGAACAGCAAGAAACCT
 CGGCTGGACGTGACGAGGGCCACCAACAAGCAGATGAGGGAAGAGGACCAGGAGGAGGCTGCCAAGAGGA
 GGAAAATGAGCCAGAAAGGCAAGAGGAAAGGGGGCCGGCAAGGACCTTCGGGCAAGAGAAAGGGCGGCC
 GCCGGGTGAGGAGAAAAAGAGGAAAGGAGGCTTGGGAAGCAAAAAGCATTCTGGCCTTCTGCTTTAGCT
 GGCAAGAAGAAGGAGTGCCGCCCAAGGTGGGAAGAGGAGGAAG

AC**GGGCCGCT**CGAG - GFP Tag - GTTTAA



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Protein Sequence:	>MG205622 representing NM_021511 Red=Cloning site Green=Tags(s) MEGQRVEELLAKAEQEEAEKLQRITVHKELELEFDLGNLLASDRNPPTVLRQAGPSPEAELRALARDNTQ LLINQLWRLPTERVEEAVVARLPEPATRLPREKPLPRPRPLTRWQQFARLKGIRPKKKTNLVWDEASGQW RRRWGYKRARDDTKEWLIEVPGSADPMEDQFAKRTQAKKERVAKNELNRLNRLARAHKMQMPSSAGLHPT GHQSKEELGRAMQVAKVSTASVGRFQERLPKEKAPRGSGKKRKFPPLFGDFAAEKKNQLELLRVMNSKKP RLDVTRATNKQMREEDQEEAAKRRKMSQKGRKGGRQGPSGKRKGPPGQGEKRGGLGSKKHSWPSALA GKKGVPQGGKRRK TRPLE - GFP Tag - V
Restriction Sites:	Ascl-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:	<u>NM_021511.2, NP_067486.2</u>
RefSeq Size:	2058 bp
RefSeq ORF:	1098 bp
Locus ID:	59014
UniProt ID:	<u>Q9CYH6</u>
Cytogenetics:	1 2.08 cM

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 MG205622