

Product datasheet for **RG203635**

RRP9 (NM_004704) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RRP9 (NM_004704) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RRP9
Synonyms:	RNU3IP2; U3-55K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203635 representing NM_004704
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTCGGCAACAGCGGCTGCTCGTAAGCGGGGAAAGCCGGCCTCTGGGGCCGGGGCTGGCGCGGGGGCCG
 GCAAGCGGCGGGCAAAGGCCGACTCTGCGGGGACAGGGGCAAATCCAAGGGTGGCGGCAAGATGAATGA
 GGAGATCTCCAGCGACTCTGAGAGCGAGAGCCTAGCTCCAAGGAAGCCTGAGGAGAGGAGGAGGAGGAG
 CTGGAGGAAACTGCACAGGAAAAGAAGCTGCGCTTGCCAAAGCTCTACCTAGAGCAGCTCCGTAGCAAG
 AGGAGGAGAAGGCTGAGGCCCGTGCATTTGAGGAGGACCAGGTGGCGGGGCGCCTGAAGGAGGATGTGCT
 TGAGCAGAGGGGCGAGGCTGCAGAAGTTGGTGGCAAAAGAGATCCAGGCCCGAGCCTCAGCTGACATTCGC
 GTTTTACGGGGGACAGCTCTCTATCACATGTTTGGTCGTACCCCGGATGACTCAGCCATCTTCTCTG
 CTGCCAAAGACTGCAGCATCATTAAGTGGAGCGTGAGAGTGGACGGAAGCTGCATGTATTCTCGAGC
 CAAGAAGGGTGGCGAGGAAAGCCCCCTGGCCACAGCAGCCACGTCTCTGCATGGCCATCTCTCCGAC
 GGCAAGTACCTTGCTCTGGTGACCGCAGCAAGCTCATTCTATTGGGAGGCCAGAGCTGCCAGCACT
 TGTACACCTTCACAGGACACCGGGATGCAGTGTGGGTCTGGCATTCCGAGAGGCACCCACAGCTCTA
 CAGCACATCCACGATCGCTCCGTGAAGGTGTGGAATGTGGCAGAGAACTCCTACGTGGAGACGCTTTC
 GGACACAGGACGCTGTGGCTGCACTGGATGCCTTGAGCCGGGAGTGCTGTGTGACGGCTGGGGGCCGGG
 ATGGGACTGTACGTGTGTGAAGATCCCGAGGAGTCCAGCTTGTCTTCTATGGCCACAGGGCTCCAT
 CGACTGCATCCACCTAATCAATGAGGAGCACATGGTGTCCGGCGCGGACGATGGCTCTGTGGCCTTGTGG
 GGTCTCTCCAAGAAGCGACCACTTGCCCTGCAGCGTGAAGCTCACGGGCTGCGGGGAGAGCCAGGCTGG
 AGCAGCCCTTCTGGATATCGTCGGTGGCAGCCCTCCTCAACACAGACCTGTGGCCACAGGCTCCACAG
 CTCCTGTGTGCGGCTTTGGCAGTGTGGGAAGGCTTCCGGCAGCTTGACCTTCTCTGTGACATCCCCCTG
 GTGGGTTTTATCAACAGCCTCAAGTTCTCCAGCTCTGGGACTTCTTGGTGGCTGGGGTAGGGCAGGAGC
 ACAGGCTTGGCCGATGGTGGAGAATCAAAGAGGCTCGGAATTCTGTCTGCATCATCCCACTCCGAGGGT
 CCCTGTACCCCCAGCTGCTGTTCC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG203635 representing NM_004704
 Red=Cloning site Green=Tags(s)

MSATAAARKRGKPASGAGAGAGAKRRRKADSAGDRGKSKGGGKMNEEISSDSESESLAPRKPEEEEEEE
 LEETAQEKKLRLAKLYLEQLRQEEEEAEARAFEDQVAGRLKEDVLEQRGLQKLVAKEIQAPASADIR
 VLRGHQLSITCLVTPDDSAIFSAKDCSIKWSVESGRKLHVIPRAKKAEGKPPGHSSHVLCMAISSD
 GKYLASGDRSKLILIWEAQSCQHLYTFTGHRDAVSGLAFRRGTHQLYSTSHDRSVKVNVAENSYVETLF
 GHQDAVAALDALSRECCVTAGGRDGTVRVWKIPEESQLVFYGHQGSIDCIHLINEEHMSVSGADDGSVALW
 GLSKKRPLALQREAHGLRGEPLGEPFQFVISSVAALLNTDLVATGSHSSCVRLWQCGEGFRQLDLLCDIPL
 VGFINSKLFSSSGDFLVAGVGQEHRLGRWWRIKEARNSVCIIPLRRVPVPPAAGS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_004704

ORF Size: 1425 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_004704.5](#)

RefSeq Size: 1588 bp

RefSeq ORF: 1428 bp

Locus ID: 9136

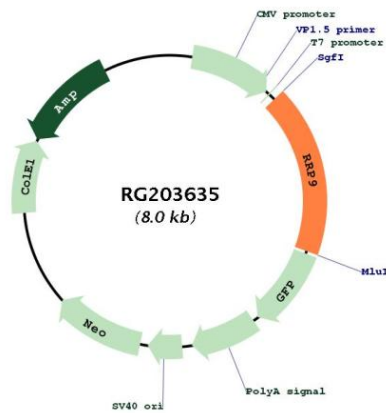
UniProt ID: [O43818](#)

Cytogenetics: 3p21.2

Domains: WD40

Gene Summary: This gene encodes a member of the WD-repeat protein family. The encoded protein is a component of the nucleolar small nuclear ribonucleoprotein particle (snoRNP) and is essential for 18s rRNA processing during ribosome synthesis. It contains seven WD domains required for nucleolar localization and specific interaction with the U3 small nucleolar RNA (U3 snoRNA). [provided by RefSeq, Oct 2012]

Product images:



Circular map for RG203635