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Product datasheet for RC203635

RRP9 (NM_004704) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RRP9 (NM_004704) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RRP9
Synonyms:	RNU3IP2; U3-55K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC203635 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGGCAACAGCGGCTGCTCGTAAGCGGGGAAAGCCGGCCTCTGGGGCCGGGGCTGGCGCGGGGGCCG
GCAAGCGGCGGCGAAAGGCCGACTCTGCGGGGGACAGGGGCAAATCCAAGGGTGGCGGCAAGATGAATGA
GGAGATCTCCAGCGACTCTGAGAGCGAGAGCCTAGCTCCAAGGAAGCCTGAGGAGGAGGAGGAGGAGGAG
CTGGAGGAAACTGCACAGGAAAAGAAGCTGCGCTTGGCCAAGCTCTACCTAGAGCAGCTCCGTCAGCAAG
AGGAGGAGAAGGCTGAGGCCCGTGCATTTGAGGAGGACCAGGTGGCGGGGCGCCTGAAGGAGGATGTGCT
TGAGCAGAGGGGCAGGCTGCAGAAGTTGGTGGCAAAAGAGATCCAGGCCCCAGCCTCAGCTGACATTCGC
GTTTTACGGGGGCACCAGCTCTCTATCACATGTTTGGTCGTCACCCCCGATGACTCAGCCATCTTCTCTG
CTGCCAAAGACTGCAGCATCATTAAGTGGAGCGTGGAGAGTGGACGGAAGCTGCATGTGATTCCTCGAGC
CAAGAAGGGTGCCGAGGGAAAGCCCCCTGGCCACAGCAGCCACGTCCTCTGCATGGCCATCTCCTCCGAC
GGCAAGTACCTTGCCTCTGGTGACCGCAGCAAGCTCATTCTCATTTGGGAGGCCCAGAGCTGCCAGCACT
TGTACACCTTCACAGGACACCGGGATGCAGTGTCGGGTCTGGCATTCCGCAGAGGCACCCACCAGCTCTA
CAGCACATCCCACGATCGCTCCGTGAAGGTGTGGAATGTGGCAGAGAACTCCTACGTGGAGACGCTCTTC
GGACACCAGGACGCTGTGGCTGCACTGGATGCCTTGAGCCGGGAGTGCTGTGTGACGGCTGGGGGCCGGG
ATGGGACTGTACGTGTGTGGAAGATCCCCGAGGAGTCCCAGCTTGTCTTCTATGGCCACCAGGGCTCCAT
CGACTGCATCCACCTAATCAATGAGGAGCACATGGTGTCCGGCGCGGACGATGGCTCTGTGGCCTTGTGG
GGTCTCTCCAAGAAGCGACCACTTGCCCTGCAGCGTGAAGCTCACGGGCTGCGGGGAGAGCCAGGCCTGG
AGCAGCCCTTCTGGATATCGTCGGTGGCAGCCCTCCTCAACACAGACCTTGTGGCCACAGGCTCCCACAG
CTCCTGTGTGCGGCTTTGGCAGTGTGGGGAAGGCTTCCGGCAGCTTGACCTTCTCTGTGACATCCCCCTG
GTGGGTTTTATCAACAGCCTCAAGTTCTCCAGCTCTGGGGACTTCCTGGTGGCTGGGGTAGGGCAGGAGC
ACAGGCTTGGCCGATGGTGGAGAATCAAAGAGGCTCGGAATTCTGTCTGCATCATCCCACTCCGCAGGGT
CCCTGTACCCCCAGCTGCTGGTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203635 protein sequence
Red=Cloning site Green=Tags(s)

MSATAAARKRGKPASGAGAGAGAGKRRRKADSAGDRGKSKGGGKMNEEISSDSESESLAPRKPEEEEEEE
LEETAQEKKLRLAKLYLEQLRQQEEEKAEARAFEEDQVAGRLKEDVLEQRGRLQKLVAKEIQAPASADIR
VLRGHQLSITCLVVTPDDSAIFSAAKDCSIIKWSVESGRKLHVIPRAKKGAEGKPPGHSSHVLCMAISSD
GKYLASGDRSKLILIWEAQSCQHLYTFTGHRDAVSGLAFRRGTHQLYSTSHDRSVKVWNVAENSYVETLF
GHQDAVAALDALSRECCVTAGGRDGTVRVWKIPEESQLVFYGHQGSIDCIHLINEEHMVSGADDGSVALW
GLSKKRPLALQREAHGLRGEPGLEQPFWISSVAALLNTDLVATGSHSSCVRLWQCGEGFRQLDLLCDIPL
VGFINSLKFSSSGDFLVAGVGQEHRLGRWWRIKEARNSVCIIPLRRVPVPPAAGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6566_h03.zip

Restriction Sites: SgfI-MluI

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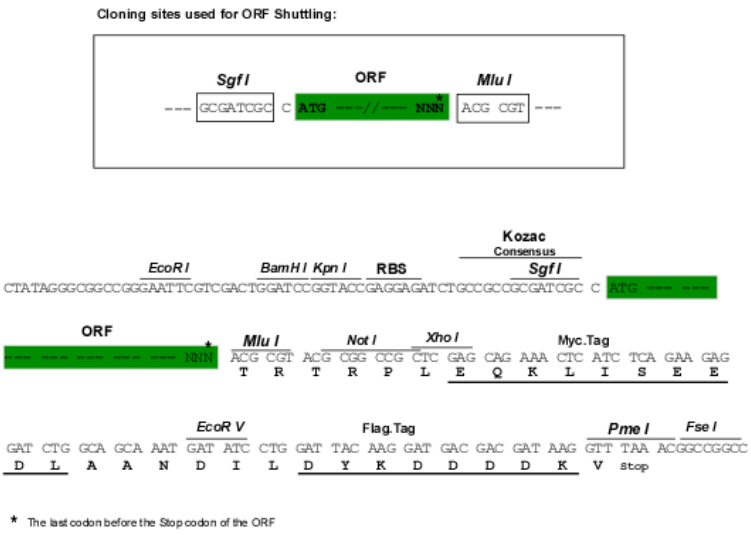
Cloning Scheme:



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.

RefSeq: NM_004704.5

RefSeq Size: 1590 bp

RefSeq ORF: 1428 bp

Locus ID: 9136

UniProt ID: O43818

Cytogenetics: 3p21.2

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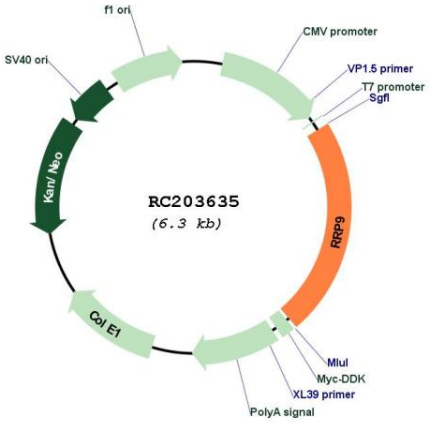
Domains: WD40

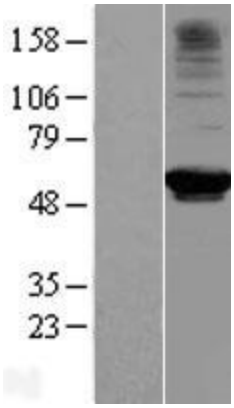
MW: 51.8 kDa

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 RC203635



Western blot validation of overexpression lysate (Cat# [LY417831]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203635 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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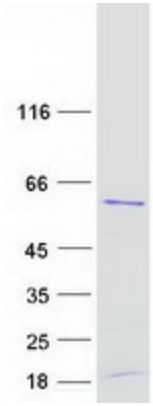

Coomassie blue staining of purified RRP9 protein (Cat# [TP303635]). The protein was produced from HEK293T cells transfected with RRP9 cDNA clone (Cat# RC203635) using MegaTran 2.0 (Cat# [TT210002]).

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