

Product datasheet for **RR214477**

Rps9 (NM_031108) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rps9 (NM_031108) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rps9
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214477 representing NM_031108
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCGGTCGCCAGAAGCTGGGTTTGTGCGCAAACCTATGTGACCCACGGAGACCTTCGAGAAATCGC
GTCTCGACAGGAGCTAAAGTTGATTGGAGAGTATGGGCTCCGGAACAAACGTGAGGTGTGGAGGGTCAA
ATTTACCCTGGCGAAGATTCGTAAGGCTGCCCGGAGCTGTTGACGCTGGACGAGAAGGATCCTCGGCCT
CTGTTTGAAGGCAACGCTCTGCTGAGACGACTTGTTCGAATTGGGGTGGTGGATGAGGGCAAGATGAAGC
TGGATTACATTCTGGCCTGAAGATTGAGGATTTCTTGGAGAGAAGACTGCAGACCCAGGTCTTTAAGCT
GGGCTGGCCAAATCTATTACCATGCCCGTGTGCTCATCCGCCAACGTACATCAGGGTGCAGCAAGCAG
GTGGTGAACATTCCATCTTTTATTGTTTCGCTGGACTCTCAGAAGCACATTGACTTCTCCCTCCGTTCTC
CTTATGGTGGCGGCCCGCCAGGCAGAGTGAAGAGGAAGAATGCCAAGAAAGGCCAGGGTGGTGGAGC
TGGTGATGATGAGGAAGAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214477 representing NM_031108
Red=Cloning site Green=Tags(s)

MPVARSWVCRKTYVTPRRPFEEKSRLDQELKLI GEYGLRNKREVVRVKFTLAKIRKAARELLTLDEKPPR
LFEGNALLRRLVRIGVLDEGKMKLDYILGLKIEDFLERRLQTQVFKLGLAKSIHHARVLIQRHIVRVKQ
VVNIPSFIVRLDSQKHIDFSLRSPYGGGRPRVVRKRNKNAKKGQGGAGGDDEED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

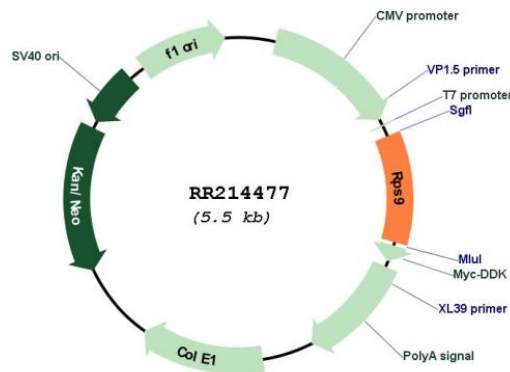


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Cloning Scheme:



Plasmid Map:



ACCN: NM_031108

ORF Size: 582 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.

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|-------------------------------|---|
| 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: | <ol style="list-style-type: none">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: | <u>NM_031108.3</u> , <u>NP_112370.2</u> |
| RefSeq Size: | 819 bp |
| RefSeq ORF: | 585 bp |
| Locus ID: | 81772 |
| UniProt ID: | <u>P29314</u> |
| Cytogenetics: | 1q12 |
| MW: | 22.6 kDa |
| Gene Summary: | 40S ribosomal subunit protein [RGD, Feb 2006] |