

Product datasheet for **RR211005**

Rhoc (NM_001106461) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rhoc (NM_001106461) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rhoc
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211005 representing NM_001106461
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGCAATCCGAAAGAAGCTGGTAATTGTGGGTGATGGCGCCTCGGGGAAGACCTGCCTCCTCATCG
TCTTCAGCAAGGATCAGTTCCGGAGGTCTACGTCCTACTGTCTTTGAGAACTACATAGCAGACATCGA
AGTGGATGGCAAGCAGGTGGAGCTGGCTCTGTGGGACACAGCAGGGCAAGAAGACTACGATCGCCTGCGG
CCTCTCTCTACCCGGACTGACGTCATCCTTATGTGTTTCTCCATTGACAGTCCTGACAGCCTGGAAA
ACATTCCTGAGAAGTGGACCCCGGAGGTGAAGCACTTCTGTCCCAATGTGCCATCATCCTAGTGGGAA
TAAGAAGGACCTGAGGCAAGATGAGCATACCAGGAGAGAGCTGGCCAAAATGAAACAGGACCGGTTCGA
TCTGAGGAAGGCCGGGACATGGCAAACAGGATCAGCGCCTTCGGCTACCTTGAGTGCTCAGCCAAGACTA
AGGAAGGGGTGCGGGAGGTATTTGAGATGGCCACTCGGGCTGGCCTACAGGTCCGGAAGAATAAGCGCCG
GAGGGGCTGTCCATTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211005 representing NM_001106461
Red=Cloning site Green=Tags(s)

MAAIRKKLVIVGDGACGKTCLLIVFSKDQFPEVYVPTVFENYIADIEVDGKQVELALWDTAGQEDYDRLR
PLSYPDTDVILMCFSIDSPDLENIPKWTPEVKHFCNPVPIILVGNKKDLRQDEHTRRELAKMKQEPVR
SEEGRDMANRISAFGYLECSAKTKEGVREVFEMATRAGLQVRKNKRRRRCPII

TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

Restriction Sites: Sgfl-MluI

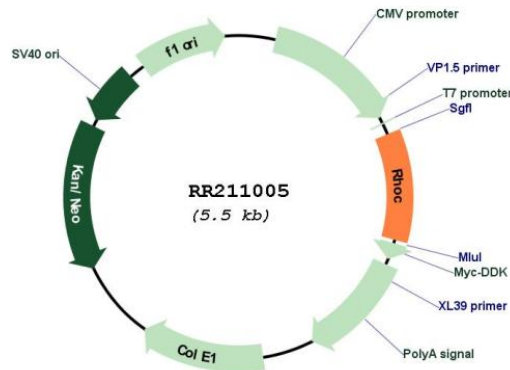


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001106461

ORF Size: 579 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:	<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_001106461.1, NP_001099931.1</u>
RefSeq Size:	1267 bp
RefSeq ORF:	582 bp
Locus ID:	295342
Cytogenetics:	2q34
MW:	22 kDa