

Product datasheet for **RC231701**

RAP2C (NM_001271187) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAP2C (NM_001271187) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RAP2C
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231701 representing NM_001271187
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAGATCTCTACATCAAAAACGGCCAAGGTTTCATCCTGGTTTATAGCCTGGTTAATCAACAGTCTT
TTCAGGATATCAAGCCAATGAGAGATCAAATTGTCAGAGTGAAGAGATATGAAAAAGTCCCACTAATCCT
AGTAGGAAATAAAGTGGATCTGGAACCAGAAAGAGAGGTTATGTCTTCAGAAGGCAGAGCTCTGGCTCAA
GAATGGGGCTGTCCTTTTCATGGAGACATCGCAAAAAGTAAATCAATGGTGGATGAACCTTTTGCTGAGA
TCGTCAGGCAAAATGAACATTTCATCCCTGCCGGAAGCAAGATCAGTGTGTACAACCTGTGTCGTCCTCA
G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231701 representing NM_001271187
Red=Cloning site Green=Tags(s)

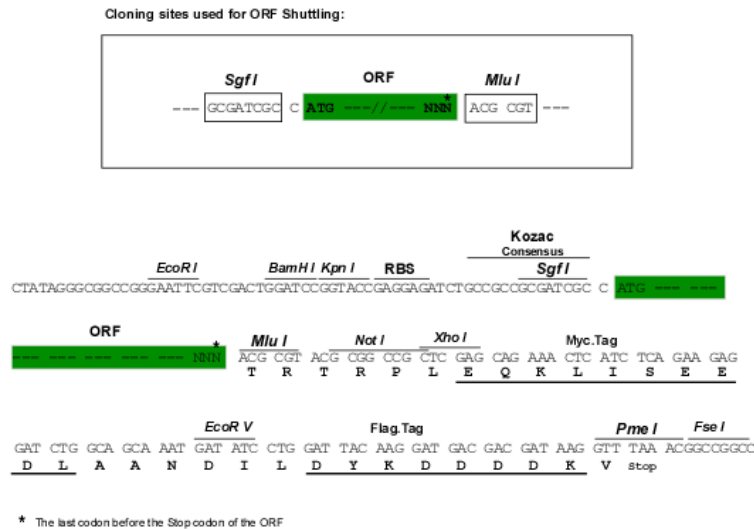
MRDLYIKNGQGFILVYSLVNQQSFQDIKPMRDQIVRVKRYEKVPLILVGNKVDLEPEREVMSSSEGRALAQ
EWGCPFMETSAKSKSMVDELFAEIVRQMNYSSLPEKQDQCCTTCVVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_001271187

ORF Size: 351 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.

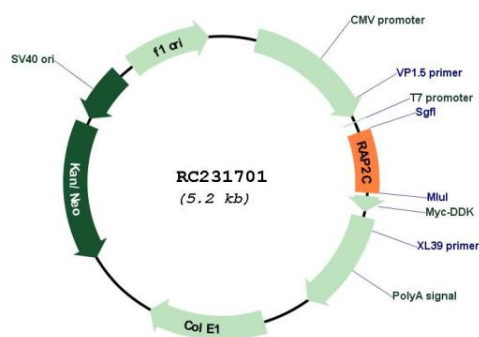
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001271187.1](#), [NP_001258116.1](#)

RefSeq Size: 3341 bp
 RefSeq ORF: 354 bp
 Locus ID: 57826
 UniProt ID: [Q9Y3L5](#)
 Cytogenetics: Xq26.2
 Protein Families: Druggable Genome
 MW: 14 kDa

Gene Summary: The protein encoded by this gene is a member of the Ras-related protein subfamily of the Ras GTPase superfamily. Members of this family are small GTPases that act as molecular switches to regulate cellular proliferation, differentiation, and apoptosis. This protein has been reported to activate in vitro transcriptional activity of the serum response element. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2012]

Product images:



Circular map for RC231701