

Product datasheet for **MG201661**

Rap2c (BC064814) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rap2c (BC064814) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rap2c
Synonyms: 2010200P20Rik; AI194294; AL022976
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201661 representing BC064814
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGAATACAAGGTAGTGGTGTAGGGAGCGGAGGGGTTGGCAAATCTGCCCTACCGTGCAGTTTG
TCACCGGGACTTTCATTGAGAAATATGACCCACCATTGAAGATTTCTACCGCAAAGAGATCGAAGTGA
CTTTCCCGTCAGTACTGGAAATCCTGGACCCGAGGAACCGAGCAGTTTGCCTCCATGAGAGATCTG
TACATCAAGAACGCCAAGGTTTCATCCTGGTGTATAGTTTGGTTAATCAACAGTCTTTTCAGGATATCA
AGCCAATGAGAGATCAGATTGTGAGAGTGAAGAGATACGAGAAAGTCCCACTCATCTAGTGGGAAACAA
AGTGGATCTGGAACCAGAGAGAGAGTTATGTCTTCCGAAGGCAGAGCTCTGGCTCAAGAATGGGGCTGT
CCTTTCATGAAAACGTCAGCAAAAAGTAAATCAATGGTGGATGAACTTTTGTGAGATCGTCAGGCAAA
TGAATATTCATCCCTGCCCGAGAAGCAAGATCAGTGTGTACAACCTGTGTGTCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201661 representing BC064814
Red=Cloning site Green=Tags(s)

MREYKVVVLGSGGVGKSALTVQFVTGTFIEKYDPTIEDFYRKEIEVDSSPSVLEILDAGTEQFASMRDL
YIKNGQGFILVYSLVNQQSFQDIKPMRDQIVRVKRYEKVPLILVGNKVDLEPEREVMSSSEGRALAEQWGC
PFMETSAKSKSMVDELFAEIVRQMNYSSLPEKQDQCCTTCVVQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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>BC064814.1</u>
RefSeq Size:	2397 bp
RefSeq ORF:	551 bp
Locus ID:	72065
Cytogenetics:	X A5
Gene Summary:	Small GTP-binding protein which cycles between a GDP-bound inactive and a GTP-bound active form. May play a role in cytoskeletal rearrangements and regulate cell spreading through activation of the effector TNIK. May play a role in SRE-mediated gene transcription. [UniProtKB/Swiss-Prot Function]