

Product datasheet for **MC205148**

Rgcc (NM_025427) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rgcc (NM_025427) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rgcc
Synonyms: 1190002H23Rik; Rgc-32; Rgc32
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC049580
 AGGGCGAGTAGCTAGCGCTCAGGCTCGGCAAGGAGCAAGGCAGAGGCACCGGAGCAGACTGCAGTGCAGG
 CGGCAGCCACCAGGGCCAACACCTCGCAGCATCTCTGCTACGCGTGTCACTGAGCAACTTCTCCATGAAG
 CCGCCCTCAGCGCAGAGCAGTCCCGCGGGTCCGCGCCGAGCCCGCCATGGACTCCGCGGCCGCTG
 CAGACCTGACCGACGTGCTGTGCGAGTTCGACGCGGTGCTGGCCGACTTCGCGTCCGCCCTCCACGAGCG
 CCACTTCCACTATGAGGAGCACCTAGAGCGCATGAAGCGGCGCAGCAGGCCAGCGTCAGCGACAGCAGC
 GGCTTCAGCGACTCGGAGAGTGCAGACTCAGTGTACAGGGACAGCTTCACCTTCAGTGTGAGAAGCTGA
 ATTCTCCAACCAACTCCTCTCCAGCTCTCTGCCCTCCGCTGTCACTCCTCGAAAGCCAAATTAGGTGA
 CACTAAAGAGCTCGAAGACTTCATTGCCGATCTGGACAGGACCTTAGCAAGTATGTGAAGCAAGGAGTTT
 GGGGTCCAGAAGGCTCCGAGGACCTGGCAAATCGGCTACTAGAATCTGCTGTGGGAGAGGGCAGAGCTGA
 GGCTCCTGCCCCCTGGCCATTCTTGTTCACTATAACATTAGCCATTGGGCCATCTCTGGGCAGTTCGG
 AGAGTGAAGCTCACTTTGTTTACCTACCTGCAGCATATTTCAACAGAGGATCTATCTAATGTGTTTTACT
 CCTTTAAACATAGCTCTTCTATAATTTAAAATGCTTTTATGGAATATTTGTAATTACTTATATATAGTT
 GGAGGTCATAATAAGCTTCCCATCATAATATATTTTTGTATGCAATAAAATCAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAA

Restriction Sites: Sfil-Sfil
ACCN: NM_025427
Insert Size: 414 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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: [BC049580](#), [AAH49580](#)

RefSeq Size: 924 bp

RefSeq ORF: 414 bp

Locus ID: 66214

UniProt ID: [Q9DBX1](#)

Cytogenetics: 14 D3

Gene Summary: Modulates the activity of cell cycle-specific kinases. Enhances CDK1 activity. May contribute to the regulation of the cell cycle. May inhibit growth of glioma cells by promoting arrest of mitotic progression at the G2/M transition. Fibrogenic factor contributing to the pathogenesis of renal fibrosis through fibroblast activation.[UniProtKB/Swiss-Prot Function]