

Product datasheet for **MG200841**

Rgcc (NM_025427) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rgcc (NM_025427) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rgcc
Synonyms: 1190002H23Rik; Rgc-32; Rgc32
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200841 representing NM_025427
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCCGCCCTCAGCGCAGAGCAGTCCCAGCGCGGTCCGCGCCGAGCCCCGGCCATGGACTCCGCGG
 CCGCTGCAGACCTGACCGACGTGCTGTGCGAGTTCGACGCGGTGCTGGCCGACTTCGCGTCGCCCTTCCA
 CGAGCGCCACTTCCACTATGAGGAGCACCTAGAGCGCATGAAGCGGCGCAGCAGCGCCAGCGTCAGCGAC
 AGCAGCGGCTTCAGCGACTCGGAGAGTGCAGACTCAGTGTACAGGGACAGCTTCACCTTCAGTGATGAGA
 AGCTGAATTCTCAACCAACTCCTCTCCAGCTCTCCTGCCCTCCGCTGTCACTCCTCGAAAGCCAAATT
 AGGTGACACTAAAGAGCTCGAAGACTTCATTGCCGATCTGGACAGGACCTTAGCAAGTATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200841 representing NM_025427
 Red=Cloning site Green=Tags(s)

MKPPSAQSSPAAVAAAAPAMDSAAAADLTDVLCDFDAVLADFASPFHERHFHYEEHLERMKRRSSASVSD
 SSGFSDESADSVYRDSFTFSDEKLNSPTNSSLALLPSAVTPRKAKLGDKELEDFIADLDRTLASM

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_025427.2</u> , <u>NP_079703.2</u>
RefSeq Size:	934 bp
RefSeq ORF:	414 bp
Locus ID:	66214
UniProt ID:	<u>Q9DBX1</u>
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]