

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 >MG200841 representing NM_025427

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

AGGTGACACTAAAGAGCTCGAAGACTTCATTGCCGATCTGGACAGGACCTTAGCAAGTATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200841 representing NM_025427

Red=Cloning site Green=Tags(s)

MKPPSAQSSPAAVAAAAPAMDSAAAADLTDVLCEFDAVLADFASPFHERHFHYEEHLERMKRRSSASVSD SSGFSDSESADSVYRDSFTFSDEKLNSPTNSSPALLPSAVTPRKAKLGDTKELEDFIADLDRTLASM

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



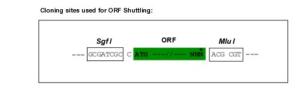
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

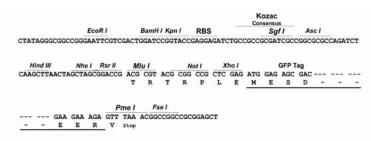
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

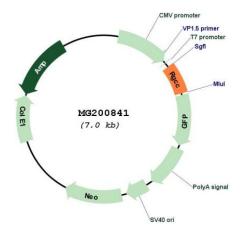


Cloning Scheme:





Plasmid Map:



ACCN: NM_025427

ORF Size: 411 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

Rgcc (NM_025427) Mouse Tagged ORF Clone - MG200841

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.

RefSeq: <u>NM 025427.2</u>, <u>NP 079703.2</u>

RefSeq Size: 934 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]