

# Product datasheet for RR206347

# Rgcc (NM\_054008) Rat Tagged ORF Clone

## **Product data:**

#### OriGene Technologies, Inc.

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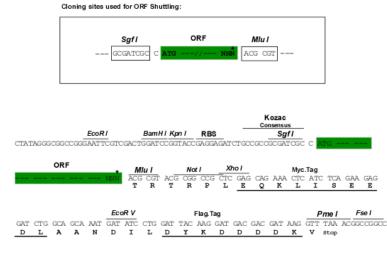
Product Type:	Expression Plasmids
Product Name:	Rgcc (NM_054008) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rgcc
Synonyms:	Rgc32
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	<pre>&gt;RR206347 representing NM_054008 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGAAGCCGCCCTCCACGCAGAGCAGCCCCGCGGGCCGTGGCGGCCGCAGCCCCGGCCATGGACTCCGCGG CCGCTGCAGACCTGACGGACGTGCTGTGCGAGTTCGACGCGGTGCTGGCCGACTTCGCGTCGCCCTTCCA CGAGCGCCACTTCCACTATGAGGAGCACCTGGAGCGCCATGAAGCGGCGCAGCAGCGCCAGCGTCAGTGAC AGCAGCGGCTTCAGCGACTCCGAGAGTGCAGACTCGTTGTACAGGGACAGCTTCACCTTCAGTGATGAGA AGCTGAATTCTCCGACGGACTCCACTCC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG <b>GTTTAA</b>
Protein Sequence:	>RR206347 representing NM_054008 <mark>Red</mark> =Cloning site Green=Tags(s)
	MKPPSTQSSPAAVAAAAPAMDSAAAADLTDVLCEFDAVLADFASPFHERHFHYEEHLERMKRRSSASVSD SSGFSDSESADSLYRDSFTFSDEKLNSPTDSTPALLSSAVTPRKAKLGDTKELEDFIADLDRTLASM
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	Sgfl-Mlul



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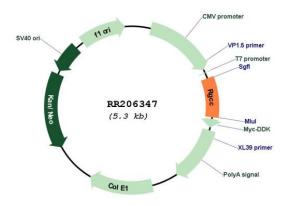


#### **Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

#### **Plasmid Map:**



ACCN:		
ORF Size:		
OTI Disclaimer:		

### NM\_054008

#### 411 bp

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. <u>More info</u>

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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> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 054008.1, NP 446460.1</u>
RefSeq Size:	889 bp
RefSeq ORF:	414 bp
Locus ID:	117183
UniProt ID:	<u>Q9Z2P4</u>
Cytogenetics:	15q12
MW:	14.8 kDa
Gene Summary:	increased expression is detected in oligodendrocytes in response to complement activation; may play a role in cell cycle activation [RGD, Feb 2006]

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