

## Product datasheet for **RR216355**

### **Sgcb (NM\_001191068) Rat Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sgcb (NM_001191068) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sgcb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR216355 representing NM_001191068 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCGGCAGCGGCAGCAGCGGCGGCGGCGACCGAGCAGCAAGGTTCCAACGGGCCAGTGAAGAAGTCCA  
TGCGGGAGAAGGCAGTGAACGAAGGAACGTCAACAAAGAGCATAACAGCAACTCAAAGCTGGGTACAT  
TCCCATCGATGAAGACCGGCTGCATAAAACCGGCTGAGAGGGAGAAAGGGCAACCTAGCCATCTGTGTG  
ATTGTCCTCCTGTTTATCCTGGCTGTCATCAACCTGCTTATTACACTTGTCTGCGGCGGTGATTCCGA  
TTGGGCCAAATGGCTGTGACAGCTTGGAGTTTCATGAGAGCGGTCTGCTGCGATTCAAGCAAGTGTCCGA  
CATGGGTATCATCCATCCGCTTTATAAGAGCACAGTGGGAGGAAGGCGGAATGAAAACCTGGTCATCACT  
GGCAACAACCGAGCCGATTGTTTTTCAGCAAGGGACAACCAAGCTGAGTGTGAAAAGAACAACCTCCA  
TCACCGAGCAGATTGGAATGCAATTTTTGACCAAGGACACAAAATATCTTATTCAGCACAGACTATGA  
GACTCATGAGTTTCACCTGCCAAGCGGAGTGAAAAGTTTGAACGTTTCAAGAGCGTCAACTGAAAGGATC  
ACCAGCAACGCTACCAAGTGAACATCAAGTCGATGGGCGTGCAATTGTGCGAGGCAATGAAGGCG  
TGTTTCATCATGGGCAAAACATTGAATTTACATGCGAGGGGATGTGGAATAAGGCTGAAAACAGCAT  
CATCCTCAATGGCACTGTGATGGTCAGCCCAACGCGTCTGCCAGCTCCTCCGGCGGAGACCAAGTCAAGC  
AGTGGTGAAGTGGGTGCGGTACAAGCTCTGCATGTGTGACAGCGCACACTCTTCAAAGTACAAGTAACA  
GCCACAACATGGGCTGCCAGGTCTTGACAACCTTGTGAAACACGCAT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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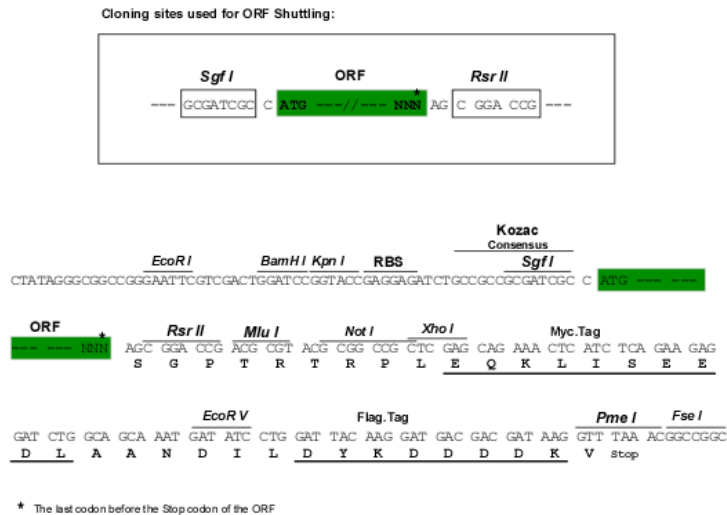
**Protein Sequence:** >RR216355 representing NM\_001191068  
 Red=Cloning site Green=Tags(s)

MAAAAAAAAAATEQQSGNGPVKKSMEKAVERRNVNKEHNSNFKAGYIPIDEDRLHKTGLRGRKGNLAICV  
 IVLLFILAVINLLITLVIWAVIRIGPNGCDSEFHESSGLLRFKQVSDMGIIHPLYKSTVGRRNENLVIT  
 GNNQPIVFQQGTTKLVEKNKTSITSDIGMQFFDPRTQNILFSTDYETHEFHLP SGVKSLNVQKASTERI  
 TSNATSDLNIVDGRAIVRGNEGVFIMGKTIEFHMRGDVELKAENSIILNGTVMVSPTRLPSSSGGDQSG  
 SGDWVRVKLCMCADGTLFKVQVTSNMGCVSDNPCGNTH

SGPTRRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_001191068

**ORF Size:** 960 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](#)

**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:** NM\_001191068.1, NP\_001177997.1

**RefSeq Size:** 3711 bp

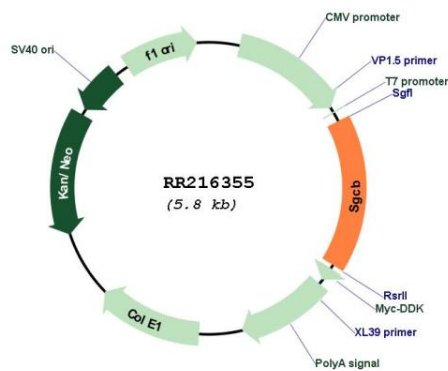
**RefSeq ORF:** 963 bp

**Locus ID:** 680229

**Cytogenetics:** 14p11

**MW:** 35 kDa

### Product images:



Circular map for RR216355