

## Product datasheet for **RR209097**

### **Sgcg (NM\_001006993) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sgcg (NM\_001006993) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Sgcg  
**Synonyms:** MGC94674  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR209097 representing NM\_001006993  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGTGCAGAACAGTACACCACGGTCACAGAGGGGACTCACATAGAGCGGCCTGAGAACCAGCATGTCT  
ACAAGATCGGCATTTATGGATGGAGGAAGCGCTGTCTGTACCTATTTGTTCTTATCCTCCTCACCATCCT  
CGTCGTGAATCTCGCTCTCACCATCTGGATTCTGAGAGTGATGTGGTTTTCTCCAATAGGAATGGGTCAC  
CTGCATGTTACGGCAGATGGACTTCGGCTGGAAGGGGAGTCAGAGTTTTTATTTCCGCTGTACGCCAAAG  
AAATACGCTCCAGAGTGGACTCATCTCTGCTTCTGCAGTCAACTCAGAACGTGACAGTCAATGCTCGCAA  
CTCAGAAGGGGAGGTACAGGCAGGGTGAAGTGGGTGCCCAGATGGTAGAAGTCCAGAGCCAGCACTTA  
CAGATCAGTTCTGAAGATGGCAAGCCGCTGTTCACCGCCGAGGAGCAGGGCGTGGTCCGGCACCAGGCA  
GACTGCGGGTTACAGGGCCAGAAGGAGCTTTTTGAACACTCAGTGGAGACACCCCTTGTGAGAGCTGA  
GCACCCATTTCAAGACCTTAGGTTGGAATCCCAACTCGGAGTCTCAGCATGGATGCCCAAGGGGCGTT  
CACATTGAAGCTCGTGTGAAAAATGGAGGCCCTTCTCAGATGGACATCGTCTTGAGAGTAGTGATG  
GAGTGTGGTGTCTGATGCTGAACTGTGGTTTTGGCCAAGTTGAAGCAGGGGACACAGGGTCCCCCTGG  
CAGCTCAAATGGAGTCTATGAGATCTGTGATGTCTGATGGGAAGCTGTACCTGTCTATGGCTGGCGAG  
GCCACCATTGCGAGGAACACAGCCACATCTGTCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR209097 representing NM\_001006993  
 Red=Cloning site Green=Tags(s)

MVREQYTTVTEGTHIERPENQHVKIGIYGWRKRCLYFLVILLTILVNLALTIWILRVMWFSPIGMGH  
 LHVTADGLRLEGESEFLFPLYAKEIRSRVDSLLQLQSTQNVTVNARNSEGEVTGRVKVGAQMVEVQSQHL  
 QISSDYGKPLFTAEEQGVVVTGRLRVTPGEGALFEHSVETPLVRAEHPFQDLRLESPTSLSMADPRGV  
 HIEARAGKMEALSQMDIVLQSSDGLVLDLDAETVGLAKLKQGTQPPGSSNGVYEICACPDGKLYLSMAGE  
 ATTCEEHSICL

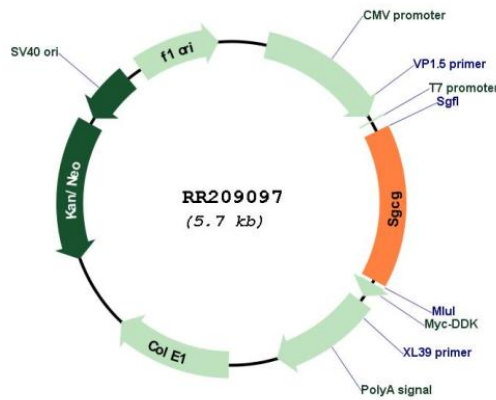
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001006993

**ORF Size:** 876 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001006993.1</a> , <a href="#">NP_001006994.1</a>
<b>RefSeq Size:</b>	1523 bp
<b>RefSeq ORF:</b>	879 bp
<b>Locus ID:</b>	305941
<b>Cytogenetics:</b>	15p12
<b>MW:</b>	32.2 kDa