

## Product datasheet for **MG217698**

### Sgce (NM\_001130190) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sgce (NM\_001130190) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Sgce  
**Synonyms:** e-SG  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG217698 representing NM\_001130190  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGCTATTATTCTGGTGGTGGGAGCTGGGAGACCCCTTGCTTGGACGGGAAAGGGTCGGGGGACACTCA  
 AGATGAGCCCCGCGACCACTGGCACATTCTACTGACAGTGTACACTCTTTCTCCAAGGTGCACCTGA  
 CCGGAACGTGTACCCATCTGCAGGTGCCTCTTTGTTTCATGTGTTGGAGAGAGATTTTAAAGGGTGAA  
 TTTCCACCTTATCCAAAGCCTGGGAGGTTAGTAATGATCCATAACATTTAACACAAATTAATGGGCT  
 ACCCAGATAGACCTGGATGGCTTCGATATATCCAAAGGACCCGTACAGTGTGGAGTCCGTATGGGTC  
 TCCAACAGCTGAAAATGTGGGAAACCAACTATTATTGAGATAACTGCCTACAATAGACGTACCTTTGAG  
 ACTGCAAGGCATAAATTGATAATTAATATAATGTGACGAGAAGAATCCCGTTGCCATATCAAGCAGAAT  
 TCTTCATCAAAAAATGAATGTGGAAGAAATGTTGGCCAGCGAGGTTCTTGGAGACTTTCTCGGGCTGT  
 AAAAAATGTGTGGCAGCCAGAGCGCCTCAACGCCATAAACATCACGTGAGCCCTGGATAGGGGTGGCAGA  
 GTGCCGCTTCTTAAATGACATGAAGGAGGGTGTATGTCATGGTTGGTGCCGATGTTGCATTTTCTT  
 CTTGTTTACGAGAAGTTGAAAATCCACAGAATCAGTTAAGATGCAGTCAAGAAATGGAGCCTGTGATAAC  
 ATGCGACAAAAAGTTCGAACTCACTTTTCATATCGACTGGTCAAGATTTCACTGGTTGACAAAACAAAG  
 CAAGTGCCACCTATCAGGAAGTAGTTCTGTTGGCAGGGCATTTCGCCGACGGCGGGAGTACAAGCCCC  
 CTTCCGATTCTTTGAAAAGCCGAGACTATTACACGGATTTCTCGTTACCCTGGCTGTGCCCTCGGCGGT  
 AGCACTGGTGCTTTTCTAATACTCGCTTATATCATGTGCTGCCGACGGGAAAGGAGTGGAAAAGAGAGAC  
 ATGCAACCCAGATATCCAGCTTGCCATCACAGCTCGATTGAGAAATCTACCAAGGAGCTTCGAGACA  
 TGTCCAAAAACAGAGAGATTGCATGGCCCTGTCTACCCGCGGTTCCACCCGTAACTGGAGAGGT  
 TATACCTCCACGCACACAGACAACACTACGACAGCACCAACATGCCGTTGATGCAGGCACAGCAGAATTG  
 CCACACCAGACTCAGATCCCTCAACCGCAGACTACAGAGTTATCTCTCTATTACTGCTCTCGGGAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG217698 representing NM\_001130190  
 Red=Cloning site Green=Tags(s)

MLLFWWWELGDPCAWTGKGRGTLKMPATTGTFLLTVYTLFSKVHSDRNVYPSAGLVFVHVLEREYFKGE  
 FPPYPKPGEVSNDPITFNTNLMGYPDRPGWLR YIQRTPYSDGVL YGSPTAENVGKPTIIEITAYNRRTFE  
 TARHNLIIINIMSAAEFPLPYQAEFFIKNMNVEMLASEVLGDFLGAVKNVWQPERLNAINITSALDRGGR  
 VPLPINDMKEGVYVMVGADVAFSSCLREVENPQNQLRCSQEMEPVITCDKKFRTHFHIDWCKISLVDKTK  
 QVSTYQEVVRGEGILPDGGEYKPPSDSLKSRDYITDFLVTLAVPSAVALVFLILAYIMCCRREGVEKRD  
 MQTPDIQLVHSSIQKSTKELRDMSKNREIAWPLSTLPVFHPVTGEVIPPTHTDNYDSTNMLMQAQQNL  
 PHQTQIPQPQTTELSPLLLLSGI

TRTRPLE - GFP Tag - V

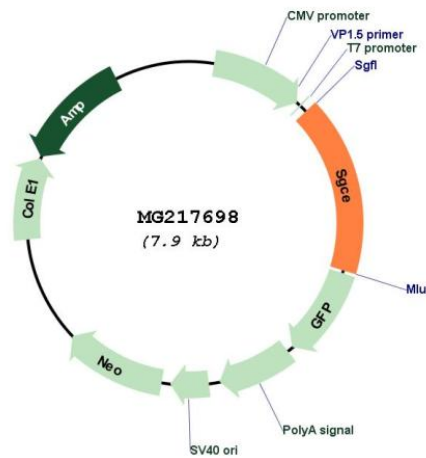
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001130190

|                               |   |
|-------------------------------|---|
| <b>ORF Size:</b>              | 1329 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_001130190.1</a> , <a href="#">NP_001123662.1</a>   |
| <b>RefSeq Size:</b>           | 1782 bp   |
| <b>RefSeq ORF:</b>            | 1332 bp   |
| <b>Locus ID:</b>              | 20392   |
| <b>UniProt ID:</b>            | <a href="#">O70258</a>  |
| <b>Cytogenetics:</b>          | 6 1.81 cM   |
| <b>Gene Summary:</b>          | Component of the sarcoglycan complex, a subcomplex of the dystrophin-glycoprotein complex which forms a link between the F-actin cytoskeleton and the extracellular matrix. [UniProtKB/Swiss-Prot Function]   |