

Product datasheet for **MG217715**

Sgce (NM_001130191) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Sgce (NM_001130191) 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: | >MG217715 representing NM_001130191 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTATTATTCTGGTGGTGGGAGCTGGGAGACCCCTTGCTTGGACGGGAAAGGGTCGGGGGACACTCA
AGATGAGCCCCGCGACCACTGGCACATTCTACTGACAGTGTACACTCTTTCTCCAAGGTGCACCTGA
CCGGAACGTGTACCCATCTGCAGGTGCCTCTTTGTTTCATGTGTTGGAGAGAGATTTAAAGGGTGAA
TTCCACCTTATCCAAAGCCTGGGAGGTTAGTAATGATCCATAACATTTAACACAAATTAATGGGCT
ACCCAGATAGACCTGGATGGCTTCGATATATCCAAAGGACCCGTACAGTGTGGAGTCCGTATGGGTC
TCCAACAGCTGAAAATGTGGGAAACCAACTATTATTGAGATAACTGCCTACAATAGACGTACCTTTGAG
ACTGCAAGGCATAACTTGATAATTAATATAATGTGACGAGAAGAATCCCGTTGCCATATCAAGCAGAAT
TCTTCATCAAAAATATGAATGTGGAAGAAATGTTGGCCAGCGAGGTTCTTGGAGACTTTCTCGGGCTGT
AAAAATGTGTGGCAGCCAGAGCGCCTCAACGCCATAAACATCACGTGAGCCCTGGATAGGGGTGGCAGA
GTGCCGCTTCTTAAATGACATGAAGGAGGGTGTATGTCATGGTTGGTGCCGATGTTGCATTTTCTT
CTTGTTTACGAGAAGTTGAAAATCCACAGAATCAGTTAAGATGCAGTCAAGAAATGGAGCCTGTGATAAC
ATGCGACAAAAAGTTCGAACTCACTTTTCATATCGACTGGTCAAGATTTCACTGGTTGACAAAACAAAG
CAAGTGCCACCTATCAGGAAGTAGTTCTGTCGAGGGCATTTCGCCGACGGCGGGAGTACAAGCCCC
CTTCGGATTCTTTGAAAAGCCGAGACTATTACACGGATTTCTCGTTACCCTGGCTGTGCCCTCGGCGGT
AGCACTGGTGCTTTTCTAATACTCGCTTATATCATGTGCTGCCGACGGGAAAGGATTATCCAGCTTGTC
CATCACAGCTCGATTAGAAATCTACCAAGGAGCTTCGAGACATGTCCAAAAACAGAGAGATTGCATGGC
CCCTGTCTACCCTGCCGTGTTCCACCCTGTAAGTGGAGAGGTTATACCTCCACGCACACAGACAACTA
CGACAGCACCAACATGCCGTTGATGCAGGCACAGCAGAATTTGCCACACCAGACTCAGATCCCTCAACCG
CAGACTACAGAGTTATCTCCTCTATTACTGCTCTCGGAAAT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217715 representing NM_001130191
 Red=Cloning site Green=Tags(s)

MLLFWWWELGDPCAWTGKGRGTLKMPATTGTFLLTVYTLFSKVHSDRNVYPSAGVLFVHVLEREYFKGE
 FPPYPKPGEVSNPITFNTNLMGYPDRPGWLRYYIQRTPYSDGVL YGSPTAENVGKPTIIIEITAYNRRTFE
 TARHNLIIINIMSAAEFPLPYQAEFFIKNMNVEEMLASEVLGDFLGAVKNVWQPERLNAINITALSALDRGGR
 VPLPINDMKEGVYVMVGADVAFASSCLREVENPQNQLRCSQEMEPVITCDKKFRTHFHIDWCKISLVDTK
 QVSTYQEVVRGEGILPDGGEYKPPSDSLKSRDYDTDFLVTLAVPSAVALVFLILAYIMCCRREGVIQLV
 HHSSIQKSTKELRDMSKNREIAWPLSTLPVFHPVTGEVIPPTHTDNYDSTNMPLMQAQQNLPHQTQIPQP
 QTTELSPLLLLSGI

TRTRPLE - GFP Tag - V

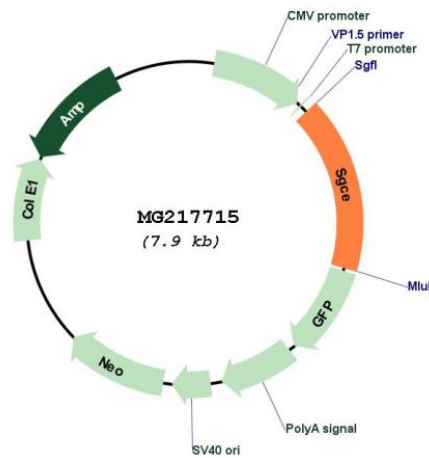
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001130191

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|-------------------------------|---|
| ORF Size: | 1302 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: | <ol style="list-style-type: none">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_001130191.1 , NP_001123663.1 |
| RefSeq Size: | 1755 bp |
| RefSeq ORF: | 1305 bp |
| Locus ID: | 20392 |
| Cytogenetics: | 6 1.81 cM |
| Gene Summary: | 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] |