

Product datasheet for **MG216140**

Sgce (NM_001130189) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sgce (NM_001130189) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MG216140 representing NM_001130189
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTATTATTCTGGTGGTGGGAGCTGGGAGACCCTTGCTTGGACGGGAAAGGGTCGGGGGACACTCA
 AGATGAGCCCCGCGACCACTGGCACATTCTACTGACAGTGACTACTCTTTCTCCAAGGTGCACTCTGA
 CCGGAACGTGTACCCATCTGCAGGTGTCCTCTTTGTTTCATGTGTTGGAGAGAGATATTTAAGGGTGAA
 TTTCCACCTTATCCAAAGCCTGGGGAGGTTAGTAATGATCCATAACATTTAACACAAATTAATGGGCT
 ACCCAGATAGACCTGGATGGCTTCGATATATCCAAAGGACCCCGTACAGTGATGGAGTCTGTATGGGTC
 TCCAACAGCTGAAAAATGTGGGAAACCAACTATTATTGAGATAACTGCCTACAATAGACGTACCTTTGAG
 ACTGCAAGGCATAACTTGATAATTAATAATGTCAGCAGAAGAATCCCGTTGCCATATCAAGCAGAAT
 TCTTCATCAAAAAATGAATGTGAAGAAATGTTGGCCAGCGAGGTTCTTGGAGACTTTCTCGGGCTGT
 AAAAAATGTGTGGCAGCCAGAGCGCCTCAACGCCATAAACATCAGTCCAGCCCTGGATAGGGGTGGCAGA
 GTGCCGCTTCTATTAATGACATGAAGGAGGGTGTATGTCATGGTTGGTGCCGATGTTGCATTTTCTT
 CTGTGTTACGAGAAGTTGAAAAATCCACAGAATCAGTTAAGATGCAGTCAAGAAATGGAGCCTGTGATAAC
 ATGCGACAAAAAGTTCCGAACTCACTTTTCATATCGACTGGTGCAAGATTTCACTGGTTGACAAAACAAAG
 CAAGTGTCCACCTATCAGGAAGTAGTTCGTGGCGAGGGCATTTCGCCGACGGCGGGGAGTACAAGCCCC
 CTTCCGATTCTTTGAAAAGCCGAGACTATTACACGGATTTCTCGTTACCTGGCTGTGCCCTCGGCGGT
 AGCACTGGTGTCTTTCTAATACTCGCTTATATCATGTGCTGCCGACGGGAAGGATTTCCAGCTTGTC
 CATCACAGCTCGATTAGAAAATCTACCAAGGAGCTTCGAGACATGTCCAAAAACAGAGAGATTGCATGCC
 CCCTGTCTACCTGCCCCGTGTTCCACCCTGTAACCTGGAGAGGTTATACCTCCCACGCACACAGACAATA
 CGACAGCACCAACATGCCGTTGATGCAGGCACAGCAGAACTTGCCACACCAGACTCAGATCCCTCAACCG
 CAGACTACAGGAGATTTTCGTTTGACAACCTTTCAAAGATTTGAGGTAATGGTATCCCTGAAGAAAGAA
 AGCTGACAGAAGCAATGAGTTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216140 representing NM_001130189
 Red=Cloning site Green=Tags(s)

MLLFWWWELGDPCAWTGKGRGTLKMSPTTGTFLTLVYTLFSKVHSDRNVYPSAGVLFVHVLEREYFKGE
 FPPYPKPGEVSNPITFNTNLMGYPDRPGWLRYSIQRTPYSDGVL YGSPTAENVGKPTIIIEITAYNRRTFE
 TARHNLIIINIMSAEEFPLPYQAEFFIKNMNVEEMLASEVLGDFLGAVKNVWQPERLNAINITALSALDRGGR
 VPLPINDMKEGVYVMVGADVAFSSCLREVENPQNQLRCSQEMEPVITCDKKFRTHFHIDWCKISLVDKTK
 QVSTYQEVVRGEGILPDGGEYKPPSDSLKSRDYYTDFLVTLAVPSAVALVFLILAYIMCCRREGVIQLV
 HHSSIQSTKELRDMKNREIAWPLSTLPVFPVPTGEVIPPHTDNYDSTNMPLMQAQQNLPHQTQIPQP
 QTTGDFRLTTFQRFEVNGIPEERKLTEAMSL

TRTRPLE - GFP Tag - V

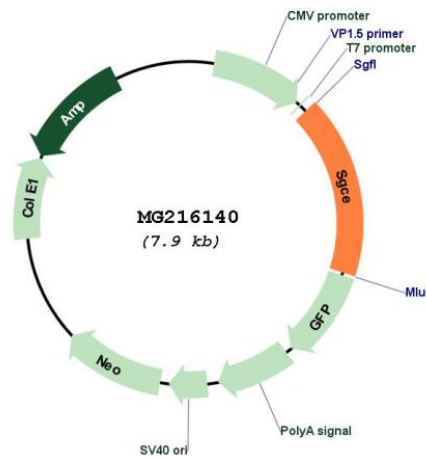
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001130189

ORF Size: 1353 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:	<u>NM_001130189.1</u> , <u>NP_001123661.1</u>
RefSeq Size:	1719 bp
RefSeq ORF:	1356 bp
Locus ID:	20392
UniProt ID:	<u>O70258</u>
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]