

Product datasheet for **MG216135**

Sgce (NM_001130188) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sgce (NM_001130188) 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)



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ORF Nucleotide Sequence:

>MG216135 representing NM_001130188
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTATTATTCTGGTGGTGGGAGCTGGGAGACCTTGTGCTTGGACGGAAAGGGTCGGGGACACTCA
 AGATGAGCCCCGCGACCACTGGCACATTCTACTGACAGCTTTTTTATTAAAGCTGTGCCGATGGCATAAA
 TGAACAGTTAACTGGAAGACAAAACAAGCCAGCAGTTTTAGTATCAGCAGGAAACTGGCTGCTGGGAAG
 AAAGATGTGTACTCTTTTCTCCAAGGTGCACCTGACCGAACGTGTACCCATCTGCAGGTGCTCCTCT
 TTGTTTATGTGTTGGAGAGAGATTTTTAAGGGTGAATTTCCACCTTATCCAAAGCCTGGGAGGTTAG
 TAATGATCCATAACATTTAACACAAATTAATGGGCTACCCAGATAGACCTGGATGGCTTCGATATATC
 CAAAGGACCCGTACAGTGATGGAGTCTGTATGGGTCTCCAACAGCTGAAAATGTGGGAAACCAACTA
 TTATTGAGATAACTGCCTACAATAGACGTACCTTTGAGACTGCAAGGCATAACTTGATAATTAATATAAT
 GTCAGCAGAAGAATCCCGTTGCCATATCAAGCAGAATCTTCATCAAAAATATGAATGTGAAGAATG
 TTGGCCAGCGAGGTTCTTGAGACTTTCTCGGGCTGTAAAAATGTGTGGCAGCCAGAGCGCCTCAACG
 CCATAAACATCACGTACGCCCTGGATAGGGGTGGCAGAGTGCCGCTTCTCTATTAATGACATGAAGGAGGG
 TGTTTATGTATGGTGGTGCCGATGTTGCATTTTCTTCTGTTTACGAGAAGTTGAAAAATCCACAGAAT
 CAGTTAAGATGCAGTCAAGAAATGGAGCCTGTGATAACATGCGACAAAAAGTTCCGAACTCACTTTCATA
 TCGACTGGTGCAAGATTTCACTGGTTGACAAAAAAGCAAGTGTCCACCTATCAGGAAGTAGTTCGTGG
 CGAGGGCATTTCGCCGACGGCGGGGAGTACAAGCCCCCTCGGATTCTTTGAAAAGCCGAGACTATTAC
 ACGGATTTCTCGTTACCCTGGCTGTGCCCTCGCGGTAGCACTGGTGCTTTTCTAATACTCGCTTATA
 TCATGTGCTGCCGACGGGAAGGAGTGGAAAAGAGAGACATGCAAAACCCAGATATCCAGCTTGTCCATCA
 CAGCTCGATTAGAAAATCTACCAAGGAGCTTCGAGACATGTCAAAAACAGAGAGATTGCATGGCCCTG
 TCTACCCTGCCCGTGTCCACCCTGTAAGTGGAGAGGTTATACCTCCACGCACACAGACAACACTACGACA
 GCACCAACATGCCGTTGATGCAGGCACAGCAGAATTTGCCACACCAGACTCAGATCCCTCAACCGCAGAC
 TACAGGTAATGGTATCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216135 representing NM_001130188
 Red=Cloning site Green=Tags(s)

MLLFWWWELGDPCAWTGKGRGTLKMSPATTGTFLLTAFLLSCADGINGTVNWKTKQASSFSISRKLAAGK
 KDVYTLFSKVHSDRNVYPSAGVLFVHVLEREYFKGEFPPYKPGEVSNPITFNNTLMGYPDPRGWLRYI
 QRTPYSDGVLYGSPTAENVGKPTIIIEITAYNRRTFETARHNLIIINIMSAEEFPLPYQAEFFIKNMNVEEM
 LASEVLGDFLGAVKNVWQPERLNAINITALSALDRGGRVPLPINDMKEGVYVMVGADVAFSSCLREVENPQN
 QLRCSQEMEPVITCDKFRTHFHIDWCKISLVDKTKQVSTYQEVVRGEGILPDGGEYKPPSDSLKSRDYY
 TDFLVTLAVPSAVALVFLILAYIMCCRREGVEKRDMPDIQLVHSSIQKSTKELRDMKNREIAWPL
 STLVPVHPVTGEVIPPTHDTDNYDSTNMPLMQAQQNLPHQTQIPQPQTGKWYP

TRTRPLE - GFP Tag - V

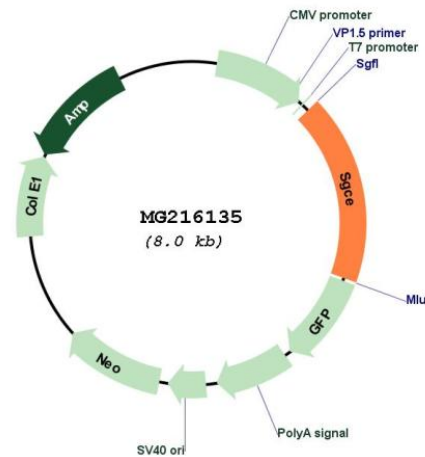
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001130188

ORF Size: 1419 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_001130188.1](#), [NP_001123660.1](#)

RefSeq Size: 1819 bp

RefSeq ORF: 1422 bp

Locus ID: 20392

UniProt ID: [O70258](#)

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]