

Product datasheet for MR206516

Sgce (NM_011360) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sgce (NM_011360) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sgce
Synonyms:	e-SG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206516 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCCCGCGACCACTGGCACATTCTACTGACAGTGTACACTCTTTTCTCCAAGGTGCACTCTGACC
GGAACGTGTACCCATCTGCAGGTGCTCTTTGTTTCATGTGTTGGAGAGAGAGATTTTTAAGGGTGAATT
TCCACCTATCCAAAGCCTGGGGAGGTTAGTAATGATCCCATAACATTTAACACAAATTTAATGGGCTAC
CCAGATAGACCTGGATGGCTTCGATATATCCAAAGGACCCGTACAGTGTGGAGTCTGTATGGGTCTC
CAACAGCTGAAAATGTGGGAAACCAACTATTATTGAGATAACTGCCTACAATAGACGTACCTTTGAGAC
TGCAAGGCATAAATTGATAATTAATAATATGTCAGCAGAAGAATCCCGTTGCCATATCAAGCAGAATTC
TTCATCAAAAATATGAATGTGGAAGAAATGTTGGCCAGCGAGGTTCTTGAGACTTTCTCGGGGCTGTAA
AAAATGTGTGGCAGCCAGAGCGCCTCAACGCCATAAAACATCACGTGAGCCCTGGACAGGGGTGGCAGAGT
GCCGCTTCCTATTAATGACATGAAGGAGGGTGTATGTCATGGTTGGTCCGATGTTGCATTTTCTTCT
TGTTTACGAGAAGTTGAAAATCCACAGAATCAGTTAAGATGCAGTCAAGAAATGGAGCCTGTGATAACAT
GCGACAAAAGTCCGAACCTCACTTTCATATCGACTGGTGAAGATTTCACTGGTTGACAAAACAAAGCA
AGTGTCCACCTATCAGGAAGTAGTTCGTGGCGAGGGCATTTCGCCGACGGCGGGGAGTACAAGCCCTCT
TCGGATTCTTTGAAAAGCCGAGACTATTACCGGATTTCTCGTTACCCCTGGCTGTGCCCTCGGCGGTAG
CACTGGTGTCTTTTCTAATACTCGTTATATCATGTGCTGCCGACGGGAAGGAGTGGAAAAGAGAGACAT
GCAAACCCAGATATCCAGCTTGTCCATCACAGCTCGATTTCAGAAATCTACCAAGGAGCTTCGAGACATG
TCCAAAACAGAGAGATTGCATGGCCCCTGTCTACCCCTGCCTGTGTTCCACCCTGTAAGTGGGGAGGTTA
TACCTCCCATGCACACAGACAACACGACAGCACCAACATGCCGTTGATGCAGGCACAGCAGAATTGCC
ACACCAGACTCAGATCCCTCAACCCGAGACTACAGGTAATGGTATCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206516 protein sequence
 Red=Cloning site Green=Tags(s)

MSPATTGTFLLTVYTLFSKVHSDRNVYPSAGVLFVHVLEREYFKGEFPPYPKPGEVSNDPITFNTLMGY
 PDRPGWLRVIQRTPYSDGVLVYGSPTAENVGKPTIIEITAYNRRTFETARHNLIIINIMSAEEFPLPYQAEF
 FIKNMNVEEMLASEVLGDFLGAVKNVWQPERLNAINITALSALDRGGRVPLPINDMKEGVYVMVGADVAFSS
 CLREVENPQNQLRCSQEMEPVITCDKKFRTHFHIDWCKISLVDKTKQVSTYQEVVRGEGILPDGGEYKPP
 SDLSKSRDYITDFLVTLAVPSAVALVFLILAYIMCCRREGVEKRDMPDIQLVHSSIQKSTKELRDM
 SKNREIAWPLSTLPVHFHPTGEVIPPMTDNYDSTNMPLMQAQQNLPHQTQIPQPQTGKWP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011360

ORF Size: 1242 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_011360.2](#), [NP_035490.2](#)

RefSeq Size: 1711 bp

RefSeq ORF: 1314 bp

Locus ID: 20392

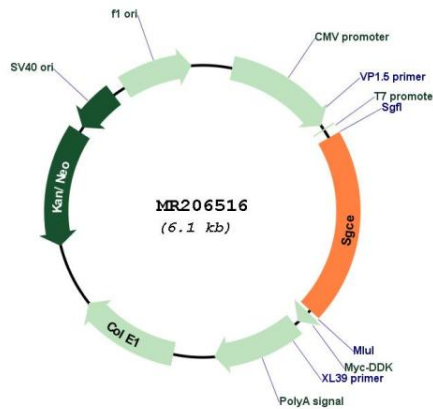
UniProt ID: [O70258](#)

Cytogenetics: 6 1.81 cM

MW: 46.9 kDa

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]

Product images:



Circular map for MR206516