

Product datasheet for MR217698

Sgce (NM_001130190) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sgce (NM_001130190) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sgce
Synonyms:	e-SG
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR217698 representing NM_001130190 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTATTATTCTGGTGGTGGGAGCTGGGAGACCCTTGCTTGGACGGAAAGGGTCGGGGGACACTCA
AGATGAGCCCCGCGACCACTGGCACATTCTACTGACAGTGTACACTCTTTCTCCAAGGTGCACCTGA
CCGGAACGTGTACCCATCTGCAGGTGTCCTCTTTGTTTCATGTGTTGGAGAGAGATTTAAAGGGTGAA
TTTCCACCTTATCCAAAGCCTGGGGAGGTTAGTAATGATCCATAACATTTAACACAAATTAATGGGCT
ACCCAGATAGACCTGGATGGCTTCGATATATCCAAAGGACCCCGTACAGTGTGGAGTCTGTATGGGTC
TCCAACAGCTGAAAATGTGGGAAACCAACTATTATTGAGATAACTGCCTACAATAGACGTACCTTTGAG
ACTGCAAGGCATAACTTGATAATTAATAATGTCAGCAGAAGAATCCCGTTGCCATATCAAGCAGAAT
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GTGCCGCTTCTTATTAATGACATGAAGGAGGGTGTATGTCATGGTTGGTGCCGATGTTGCATTTCTT
CTTGTTTACGAGAAGTTGAAAATCCACAGAATCAGTTAAGATGCAGTCAAGAAATGGAGCCTGTGATAAC
ATGCGACAAAAAGTTCCGAACACTTTTCATATCGACTGGTCAAGATTTCACTGGTTGACAAAAACAAAG
CAAGTGTCCACCTATCAGGAAGTAGTTCGTGGCGAGGGCATTTCGCCGACGCGGGGAGTACAAGCCCC
CTTCGGATTCTTTGAAAAGCCGAGACTATTACACGGATTTCCTCGTTACCCTGGCTGTGCCCTCGCGGT
AGCACTGGTGCTTTTCTAATACTCGCTTATATCATGTGCTGCCGACGGGAAGGAGTGGAAAAGAGAGAC
ATGCAAACCCAGATATCCAGCTTGTCCATCACAGCTCGATTGAGAAATCTACCAAGGAGCTTCGAGACA
TGCCAAAAACAGAGAGATTGCATGGCCCTGTCTACCCTGCCGTTCCACCCTGTAAGTGGAGAGGT
TATACCTCCACGCACACAGACAACTACGACAGCACCAACATGCCGTTGATGCAGGCACAGCAGAACTTG
CCACACCAGACTCAGATCCCTCAACCGCAGACTACAGAGTTATCTCTCTATTACTGCTCTCGGGAATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217698 representing NM_001130190
 Red=Cloning site Green=Tags(s)

MLLFWWWELGDPICAWTGKGRGTLKMPATTGTFLLTVYTLFSKVHSDRNVPYVPSAGVLFVHVLEREYFKGE
 FPPYKPGEVSNDFITFNTLMGYDPRPGWLRVYIQRTPYSDGVL YGSPTAENVGKPTIIIEITAYNRRTFE
 TARHNLIIINIMSAAEFPLPYQAEFFIKNMNVEMLASEVLGDFLGAVKNVWQPERLNAINITSALDRGGR
 VPLPINDMKEGVYVMVGADVAFFSSCLREVENPQNQLRCSQEMEPVITCDKKFRTHFHIDWCKISLVKTK
 QVSTYQEVVRGEGILPDGGEYKPPSDSLKSRDYDTDFLVTAVPSAVALVFLILAYIMCCRREGVEKRD
 MQTPDIQLVHSSIQKSTKELRDM SKNREIAWPLSTLPVFHPVTGEVIPPTHDTNDYDSTNPLMQAQQNL
 PHQTQIPQPQTTELSPLLLL SGI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

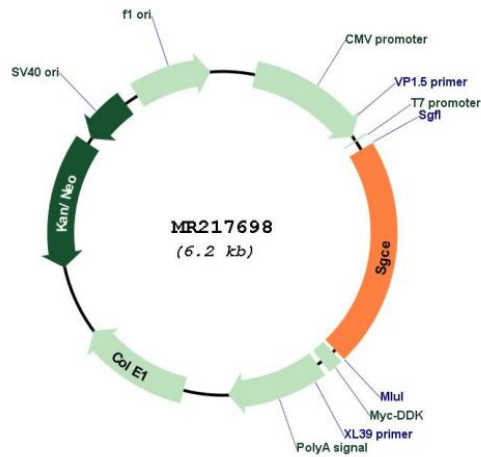
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001130190

ORF Size:	1329 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_001130190.1 , NP_001123662.1
RefSeq Size:	1782 bp
RefSeq ORF:	1332 bp
Locus ID:	20392
UniProt ID:	O70258
Cytogenetics:	6 1.81 cM
MW:	50.7 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]