

Product datasheet for **MC209387**

Sgca (NM_001136080) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sgca (NM_001136080) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sgca
Synonyms: 50DAG; 59kDa; adhalin; Asg
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209387 representing NM_001136080
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGCAGCAGTAACCTGGATACCTCTCCTGGCAGGTCTCCTGGCAGGACTGAGGGACACCAAGGCC
 AGCAGACAACCTTTACACCTACTGTGGTCTGTGTTTGTGCATCCTTTGGAACATGCCACCTTCCTGCG
 CCTTCCAGAACAGTTGCGGTGCCACCCACTGTCCGACTCACCTACCACGCTCACCTCCAGGGACATCCA
 GACCTGCCAGGTGGCTGCACTACACACAGCGCAGTCCCTATAACCTGGCTTCCTCTACGGCTCCCCCA
 CTCCAGAAGATCGTGGGTACCAAGTCATCGAGGTCACAGCCTACAATCGAGACAGTTTTGACACCACTAG
 ACAGAGGCTGCTGCTGCTGATTGGGGACCCGAAGTCCCGGTTGCCATACCAAGCTGAGTTCTGGTG
 CGCAGCCATGATGTGGAGGAGGTGCTGCCACACACCTGCCAACCGCTTCTCACCGCCTTGGGGGAC
 TGTGGGAGCCAGGAGAGCTTCAGCTGCTCAACATCACTTCCGCTTGGACCGGGGAGGCCGAGTCCCTCT
 TCCTATTGAGGGACGGAAGGAAGGGGTATACATTAAGGTAGGCTCTGCCACACCTTCTCCACCTGCCTG
 AAGATGGTGGCGTCGCCCAGCAGCTATGCCGTTGTGCCAGGGACAGCCTCCACTACTGCTCCTAGC
 ACACTTTGGCACCCCACTCCGCGTTGACTGGTGAATGTCTCTGGTAGACAAGTCAGTACCCGAGCC
 CCTGGATGAGGTACCTACTCCAGGCGATGGGATCTTGGAGCAGACCCGTTCTTCTGCCACCCACTGAA
 GCCACAGACCCGAGACTTCTGACAGATGCCTTGGTGACCTCTTGGTGCCTTTGTTGGTGCTCTGCTGC
 TTACTCTGTTGCTGGCTTACATCATGTGCTTTCGGCGTGAAGGACGGCTGAAGAGAGACATGGCCACCTC
 TGACATCCAGATGTTTACCACCTGTTCCATCCATGGGAATACAGAAGAGCTTCGGCAGATGGCAGCCAGC
 CGAGAGGTGCCCGGCTCTTCCACCTTGCCCATGTTTAAATGTTCTGTACAGGAGAGCGGTTACCTCCCC
 GAGTAGACAGCGCACAGATGCCTTATCCTGGACCAGCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001136080
Insert Size:	1164 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001136080.1, NP_001129552.1</u>
RefSeq Size:	1465 bp
RefSeq ORF:	1164 bp
Locus ID:	20391
Cytogenetics:	11 D
Gene Summary:	This gene encodes a member of the sarcoglycan alpha/epsilon family of transmembrane proteins. The encoded protein is part of the dystrophin-glycoprotein complex which links the extracellular matrix to the cytoskeleton in muscle fibers. Disruption of this gene results in progressive muscular dystrophy and is associated with the development of embryonal rhabdomyosarcoma. [provided by RefSeq, Dec 2012]