

## Product datasheet for MR223013

### Sgcg (NM\_011892) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sgcg (NM_011892) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sgcg
Synonyms:	35kDa; 5430420E18Rik; A1642964; gamma-SG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223013 representing NM_011892 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTTCGAGAACAGTACACCACGGTCACCGAGGGCACTCACATAGAGAGGCCGAGAACCAGCACATCT  
ACAAGATTGGCATTACGGATGGAGGAAGCGCTGCCTATACCTATTGGTTCTTCTCTGCTCGCCATCCT  
CGTTGTGAATCTCGCTCTCACTATCTGGATTCTGAAAGTGATGTGGTTTTCTCCAATAGGAATGGGTCAC  
TTGCATGTTACAGCAGATGGACTTCGCCTGGAAGGAGAGTCGGAATTTTTATTTCCGCTGTATGCCAAAG  
AAATACGCTCCAGAGTGGACTCATCTCTGCTTCTGCAGTCAACCCAGAACGTGACAGTCAGTGCTCGCAA  
CTCAGAAGGGGAGGTACAGGCCGGTGAAAGTGGGTGCCCAGATGGTAGAAGTCCAGAGCCAGCACTTT  
CAGATCAATTCTGAAGATGGCAAGCCACTGTTCTCTGCGGAGGAGCAGGACGTTGTGGTTGGCACAGGCA  
GACTGCGCGTAACAGGGCCAGAAGGAGCTTTTTGAACACTCAGTGGAGACACCCCTTGTGAGAGCTGA  
CCCATTTCAGACCTTAGGTTAGAATCCCCAACTCGGAGTCTAAGCATGGATGCCCAAGGGGGTTCAT  
GTTAAAGCTAACGCTGGGAAATTGGAGGCCCTCTCTCAGATGGACATCATCTTGCAGAGTAGTGAAGGAG  
TGCTGGTCTGGATGCTGAAACTGTGGGTTTGACCAAGTTGAAGCAGGGGACACAGGGTCCCCTGGCAG  
CTCTAATGGATTCTATGAGATCTGTGCGTGTCTGATGGGAAGCTGTACCTGTCTATGGCTGGTGAAGTC  
ACCACCTGCGAGGAACACAGCCACGTCTGTCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR223013 representing NM\_011892  
Red=Cloning site Green=Tags(s)

MVREQYTTVTGTHIERPENQHIYKIGIYGWRKRLYLFLVLLLLAILVNLALTIWILKVMWFSPIMGH  
 LHVTADGLRLEGESEFLFPLYAKEIRSRVDSLLLQSTQNVTVSARNSEGEVTVGRVKVGAQMVEVQSQHF  
 QINSEGDGKPLFSAEEQDVVVGTRGLRVGTPEGALFEHVSVEVPLVRADPFQDLRLESPTSLSMADAPRGVH  
 VKANAGKLEALSQMDIILQSSEGLVLDVAETVGLTKLKQGTQGPAGSSNGFYEICACPDGKLYLSMAGEV  
 TTCEEHSHVCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9023\\_g12.zip](https://cdn.origene.com/chromatograms/mm9023_g12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_011892

**ORF Size:** 873 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\\_011892.3](#), [NP\\_036022.1](#)

**RefSeq Size:** 3515 bp

**RefSeq ORF:** 876 bp

**Locus ID:** 24053

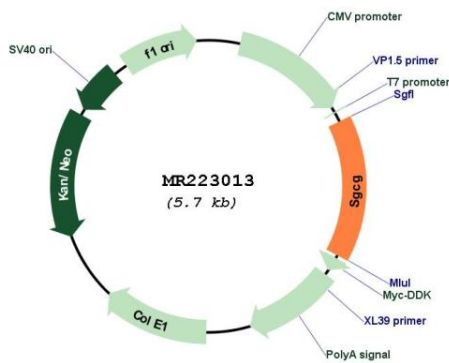
**UniProt ID:** [P82348](#)

**Cytogenetics:** 14 D1

**MW:** 32.5 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 MR223013