

Product datasheet for **MG223013**

Sgcg (NM_011892) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sgcg (NM_011892) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sgcg
Synonyms:	35kDa; 5430420E18Rik; A1642964; gamma-SG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223013 representing NM_011892 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGTTCGAGAACAGTACACCACGGTCACCGAGGGCACTCACATAGAGAGGCCCGAGAACCAGCACATCT
ACAAGATTGGCATTACGGATGGAGGAAGCGCTGCCTATACCTATTCGTTCTTCTCCTGCTCGCCATCCT
CGTTGTGAATCTCGCTCTCACTATCTGGATTCTGAAAGTGATGTGGTTTTCTCCAATAGGAATGGGTCAC
TTGCATGTTACAGCAGATGGACTTCGCCTGGAAGGAGAGTCGGAATTTTTATTTCCGCTGTATGCCAAAG
AAATACGCTCCAGAGTGGACTCATCTCTGCTTCTGCAGTCAACCCAGAACGTGACAGTCAGTCTCGCAA
CTCAGAAGGGGAGGTACAGGCCGGTGAAAGTGGGTGCCCAGATGGTAGAAGTCCAGAGCCAGCACTTT
CAGATCAATTCTGAAGATGGCAAGCCACTGTTCTCTGCGGAGGAGCAGGACGTTGTGGTTGGCACAGGCA
GACTGCGCGTAACAGGGCCAGAAGGAGCTTTTTGAACACTCAGTGGAGACACCCCTTGTGAGAGCTGA
CCCATTTCAGACCTTAGGTTAGAATCCCCAAGTGGAGTCTAAGCATGGATGCCCAAGGGGGTTCAT
GTTAAAGCTAACGCTGGGAAATTGGAGGCCCTCTCTCAGATGGACATCATCTTGCAGAGTAGTGAAGGAG
TGCTGGTCTGGATGCTGAAACTGTGGGTTTGACCAAGTTGAAGCAGGGGACACAGGGTCCCCTGGCAG
CTCTAATGGATTCTATGAGATCTGTGCGTGTCTGATGGGAAGCTGTACCTGTCTATGGCTGGTGAAGTC
ACCACCTGCGAGGAACACAGCCACGTCTGTCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223013 representing NM_011892
 Red=Cloning site Green=Tags(s)

MVREQYTTVTEGTHIERPENQHIYKIGIYGWRKRCLYLFVLLLLAILVNLALTIWILKVMWFSPIGMGH
 LHVTADGLRLEGESEFLFPLYAKEIRSRVDSSLLLQSTQNVTVSARNSEGEVTVGRVKVGAQMVEVQSQHF
 QINSEDKPLFSAEEQDVVVGTRGLRVTGPEGALFEHSVETPLVRADPFQDLRLESPTRSLSMADAPRGVH
 VKANAGKLEALSQMDIILQSSEGLVLD AETVGLTKLKQGTQGPAGSSNGFYEICACPDGKLYLSMAGEV
 TTCEEHSVCL

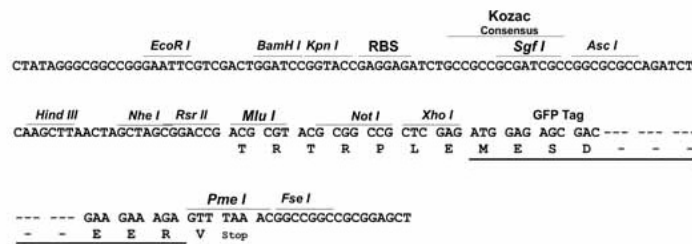
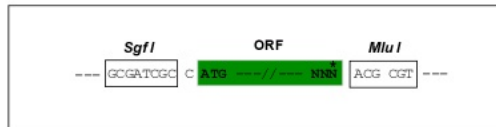
TRTRPLE - GFP Tag - V

Restriction Sites:

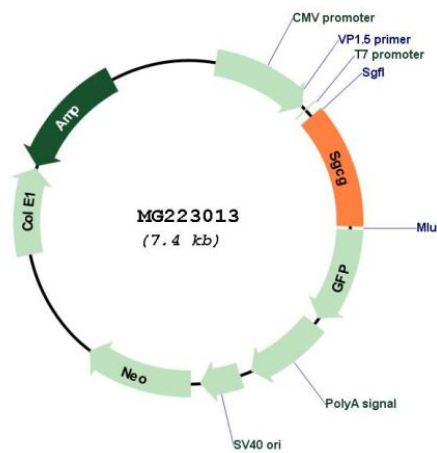
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<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_011892.3 , NP_036022.1
RefSeq Size:	3515 bp
RefSeq ORF:	876 bp
Locus ID:	24053
UniProt ID:	P82348
Cytogenetics:	14 D1
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]