

## Product datasheet for **MG221060**

### **Sgcd (NM\_011891) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sgcd (NM\_011891) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Sgcd  
**Synonyms:** 35kDa; delta-SG  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG221060 representing NM\_011891  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCTCAGGAACAGTATCCACCACAGGAGCACCATGCCAGCTCTGAGGGGCCACACATATACAAAG  
 TGGGGATTTACGGCTGGAGGAAAAGATGCCTGTATTTCTTTGTCCTGCTCCTCATGATTTAATACTGGT  
 GAACTTGGCCATGACCATCTGGATTCTCAAGGTCATGAACTTACAATTGATGGAATGGGAACTTAAGA  
 ATCACAGAAAAGGGTCTGAAGCTAGAAGGAGACTCAGAATCTTACAACCTCTCTACGCCAAAGAAATCA  
 AGTCCCGACCAGGTAATGCCCTACTTCAAATCTGCCAGGAACGTGACAGTGAACATTCTCAATGATCA  
 GACAAAAGTGCTGACTCAGCTGGTGACAGGTCGAAGGCTGTGGAAGCATATGGCAAAGGTTTGAAGTA  
 AAAACTGTTTCTGAAAATTGCTCTTTTCTGCGGATGACAGTGAAGTGGTCTGTTGGAGCTGAGAGATTGA  
 GAGTCTTAGGAGCTGAAGGCACAGTCTTCCCAAATCCATAGAAACACCTAATGTCAGAGCAGACCCCTT  
 CAAGGAACTAAGGTTGGAGTCCCAACCCGATCTCTAGTGATGGAAGCCCAAAAGGAGTAGAAATAAAT  
 GCAGAAGCTGGCAATATGGAAGCCATCTGCAGAAGTGAGCTGAGACTGGAGTCCAAGGATGGAGAGATTA  
 AGTTAGATGCTGCGAAAATCAAACCTAGACTGCCTCGTGGATCCTACACCCACAGGAACGAGGCA  
 GAAGGTCTTCGAGGCTGCGTCTGCGCCAATGGGAGGTTATTCTGTCCCAGGCAGGAACCTGTTCTACC  
 TGTCAGATAAACACAAGTGTCTGCCTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG221060 representing NM\_011891  
 Red=Cloning site Green=Tags(s)

MPQEQYSHHRSTMPSSSEPHIYKVGIYGWRKRCLYFFVLLLMILILVNLAMTIWILKVMNFTIDGMGNLR  
 ITEKGLKLEGDSEFLQPLYAKEIKSRPGNALYFKSARNVTVNILNDQTKVLTQLVTGPKAVEAYGKRFEV  
 KTVSGKLLFSADDSEVVGAERLRVLGAEGTVFPKSIETPNVRADPFKELRLESPTRSLVMEAPKQVEIN  
 AEAGNMEAICRSELRLRESKDGEIKLDAKIKLPRLPKRSYPTPTGTRQKVFVVCVANGRLFLSQAGTGST  
 CQINTSVCL

TRTRPLE - GFP Tag - V

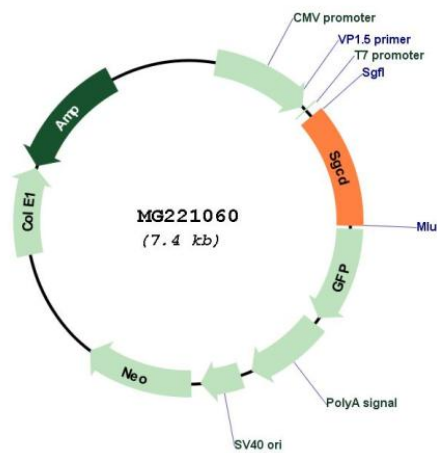
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_011891

**ORF Size:** 867 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_011891.5</a>
<b>RefSeq Size:</b>	1399 bp
<b>RefSeq ORF:</b>	870 bp
<b>Locus ID:</b>	24052
<b>UniProt ID:</b>	<a href="#">P82347</a>
<b>Cytogenetics:</b>	11 B1.1
<b>Gene Summary:</b>	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]