

## Product datasheet for **MC209389**

### **Sgk1 (NM\_001161848) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sgk1 (NM\_001161848) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sgk1  
**Synonyms:** Sg; Sgk  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209389 representing NM\_001161848  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAAACAGAGAAGGATGGGCCTGAACGATTTTATTCAGAAGATTGCCAGCAACACCTATGCATGCAAAC  
ACGCTGAAGTTTCAGTCCATTTTGAAAATGTCCCATCCTCAGGAGCCGGAGCTTATGAACGCTAACCCCTC  
TCCTCCGCAAGTCCCTCTCAACAAATCAACCTGGGTCCGTCTCCAACCCTCACGCCAAACCCTCCGAC  
TTTCACCTCTTGAAGTGATCGGAAAGGGCAGTTTTGAAAGGTTCTTCTGGCTAGGCACAAGGCAGAAG  
AAGTATTCATGCAGTCAAAGTTTTACAGAAGAAAGCCATCCTGAAGAAGAAAGAGGAGAAGCATATTAT  
GTCAGAGCGGAATGTTCTGTTGAAGATGTGAAGCACCCCTTCCTGGTGGGCCTTCACTTCTCATTCCAG  
ACCGCTGACAAGCTCTACTTTGCTGGACTACATTAATGGTGGAGAGCTGTTCTACCATCTCCAGAGGG  
AGCGCTGCTTCTGGAACCACGGGCTCGATTCTACGCAGCTGAAATAGCCAGTGCCTGGGCTATCTGCA  
CTCCCTAAACATCGTTTATAGAGACTTAAAACCTGAGAATATTCTCCTAGACTCCCAGGGGCACATCGTC  
CTCACTGACTTTGGGCTCTGCAAAGAGAATATTGAGCATAACGGGACAACATCTACCTTCTGTGGCACGC  
CTGAGTATCTGGCTCCTGAGGTCTCCATAAGCAGCCGTATGACCGGACGGTGGATGGTGGTGTCTTGG  
GGCTGTCCTGTATGAGATGCTCTACGGCCTGCCCCGTTTTATAGCCGGAACACGGCTGAGATGTACGAC  
AATATTCTGAACAAGCCTCTCCAGTTGAAACCAATATTACAAACTCGGCAAGGCACCTCCTGGAAGGCC  
TCTGCAGAAGGACCGGACCAAGAGGCTGGGTGCCAAGGATGACTTTATGGAGATTAAGAGTCATATTTT  
CTTCTCTTTAATTAAGTGGGATGATCTCATCAATAAGAAGATTACACCCCATTTAACCCAAATGTGAGT  
GGGCCAGTGACCTTCGGCACTTCGATCCCGAGTTTACCGAGGAGCCGGTCCCAGCTCCATCGGCAGGT  
CCCCTGACAGCATCCTTGTACGGCCAGTGTGAAGGAAGCAGCAGAAGCCTTCTCGGCTTCTCCTATGC  
ACCTCCTGTGGATTCCTCTCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001161848
<b>Insert Size:</b>	1215 bp
<b>OTI Disclaimer:</b>	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).
<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>	<u><a href="#">NM_001161848.2</a></u> , <u><a href="#">NP_001155320.1</a></u>
<b>RefSeq Size:</b>	2415 bp
<b>RefSeq ORF:</b>	1215 bp
<b>Locus ID:</b>	20393
<b>UniProt ID:</b>	<u><a href="#">Q9WVC6</a></u>
<b>Cytogenetics:</b>	10 A3
<b>Gene Summary:</b>	<p>This gene encodes a serine/threonine protein kinase that plays an important role in cellular stress response. This kinase activates certain potassium, sodium, and chloride channels, suggesting an involvement in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. This enzyme is activated by protein phosphorylation and degraded via the ubiquitination and proteasome pathway. Multiple transcript variants encoding different isoforms have been found for this gene. A pseudogene of this gene was identified on chromosome 12. [provided by RefSeq, Sep 2009]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and 5' coding sequence compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Both variants 2 and 3 encode the same isoform (b).</p>