

## Product datasheet for RN214952

### Sgk1 (NM\_019232) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sgk1 (NM_019232) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sgk1
Synonyms:	Sgk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214952 representing NM_019232 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACCGTCAAACCGAGGCTGCTCGAAGTACCCTCACCTACTCCAGAATGAGGGGAATGGTAGCAATCC  
TCATCGCTTTCATGAAACAGAGAAGGATGGGCCTGAACGATTTTATTCAGAAGCTTGCCAACAACCTCTA  
TGCATGCAAACACCTGAAGTTCAATCCTATTTGAAAATCTCCCAACCTCAGGAGCCCGAATTATGAAC  
GCCAACCCCTCACCTCCTCAAGTCCCTCTCAACAAATCAACCTGGGTCCATCCTCAAATCCCCAGGCCA  
AACCCCTGACTTCCACTTCTTGAAAGTGATCGGAAAAGGCAGTTTTGGAAAGGTTCTTCTAGCAAGGCA  
CAAGGCAGAAGAAGCATTCTATGCCGTCAAAGTTTTGCAGAAGAAAGCCATCTTGAAGAAGAAGGAGGAG  
AAGCATATTATGTCAGAGCGCAATGTTCTGTTGAAGAATGTGAAGCACCCCTTCTGGTGGGCCTTCACT  
TCTCTTCCAGACTGCTGACAACTCTACTTCGTCCTAGACTACATTAATGGCGGAGAGCTGTTCTACCA  
TCTCCAGAGGGAGCGCTGCTTCTGGAACCCCGTCTCGCTTCTACGCAGCTGAAATAGCCAGTGCCTTG  
GGTTATCTGCACTCCCTAAACATCGTTTATCGAGACTTAAACCCAGAGAATATTCTCCTAGACTCACAGG  
GACACATCGTCTCACTGACTTTGGGCTCTGCAAGGAGAATCGAGCACAATGGGACAACGTCACCTT  
CTGTGGCAGCCCTGAGTATCTCGCTCCTGAGTTCTCCATAAGCAGCCGTACGACCGGACAGTGGACTGG  
TGGTGCCTCGGGGCTGTCTGTATGAGATGCTCTATGGCCTGCCTCCGTTCTACAGCCGGAACACAGCCG  
AGATGTATGACAAATTCTGAACAAGCCTCTCCAGCTGAAACCAATATCACCAACTCAGCAAGGCACCT  
GCTGGAGGGCCTCCTGCAGAAGGACCGACCAAGAGGCTGGGTGCCAAGGATGACTTTATGGAGATTAAG  
AGTCATATTTCTCTTTGATTAAGTGGATGATCTCATTAAAGAAGATCACGCCCCCATTTAACC  
CAAATGTGAGCGGGCCAGTGACCTTCGGCACTTTGATCCCGAGTTTACTGAGGAGCCGGTCCCCAGCTC  
CATCGGGCGATCCCTGACAGCATCCTTGTACAGCCAGTGTGAAAGAAGCCGCGGAAGCCTTCTTGGC  
TTCTCCTATGCCCTCCTATGGACTCCTCCTC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_019232
<b>Insert Size:</b>	1296 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_019232.3</a></u> , <u><a href="#">NP_062105.2</a></u>
<b>RefSeq Size:</b>	2467 bp
<b>RefSeq ORF:</b>	1296 bp
<b>Locus ID:</b>	29517
<b>Cytogenetics:</b>	1p12
<b>Gene Summary:</b>	may play a role in memory consolidation and spatial learning; may mediate aldosterone-induced signaling [RGD, Feb 2006] Transcript Variant: This variant (3) represents use of an alternate promoter, 5' UTR, and 5' coding region, compared to variant 1. The resulting isoform (3) has a shorter and distinct N-terminus, compared to isoform 1.