

Product datasheet for RN216618

Sgk1 (NM_001193569) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sgk1 (NM_001193569) 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:	>RN216618 representing NM_001193569 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGAGAGGAGGCCCTTAAGATCCCCTTGAAAGCTTTCATGAAACAGAGAAGGATGGGCCTGAACGATT
TTATTCAGAAGCTTGCCAACAACCTCTATGCATGCAAACACCCTGAAGTCAATCCTATTTGAAAATCTC
CCAACCTCAGGAGCCGAACCTTATGAACGCCAACCCCTCACTCCTCAAGTCCCTCTCAACAAATCAAC
CTGGGTCCATCCTCAAATCCCCACGCCAACCCCTCTGACTTCCACTTCTTGAAAGTGATCGGAAAAGGCA
GTTTTGAAAGGTTCTTCTAGCAAGGCACAAGGCAGAAGAAGCATTCTATGCCGTCAAAGTTTTGCAGAA
GAAAGCCATCTTGAAGAAGAAGGAGGAGAAGCATATTATGTCAGAGCGCAATGTTCTGTTGAAGAATGTG
AAGCACCTTTCTGGTGGGCCTTCACTTCTTTCCAGACTGCTGACAACTCTACTTCGTCTAGACT
ACATTAATGGCGGAGAGCTGTTCTACCATCTCCAGAGGGAGCGCTGCTTCTGGAACCCCGTCTCGCTT
CTACGCAGCTGAAATAGCCAGTGCCTTGGGTTATCTGCACTCCCTAAACATCGTTTATCGAGACTAAAA
CCAGAGAATATTCTCTAGACTCACAGGGACACATCGTCCTCACTGACTTTGGGCTCTGCAAGGAGAACA
TCGAGCAATGGGACAACGTCACCTTCTGTGGCAGCCTGAGTATCTCGCTCTGAGGTTCTCCATAA
GCAGCCGTACGACCGGACAGTGGACTGGTGGTGCCTCGGGGCTGTCTTGATGAGATGCTCTATGGCCTG
CCTCCGTCTACAGCCGGAACACAGCCGAGATGTATGACAATATTCTGAACAAGCCTCTCCAGCTGAAAC
CAAATATACCAACTCAGCAAGGCACCTGCTGGAGGGCCTCTGCAGAAGGACCGGACCAAGAGGCTGGG
TGCCAAGGATGACTTTATGGAGATTAAGAGTCATATTTTCTTCTTTGATTAAGTGGGATGATCTCATT
AATAAGAAGATCACGCCCCATTTAAACCAATGTGAGCGGGCCAGTGACCTTCGGCAGCTTTGATCCCG
AGTTTACTGAGGACCGGTCCCCAGCTCCATCGGGCGATCCCCTGACAGCATCCTGTACAGCCAGTGT
GAAAGAAGCCGCGAAGCCTTCTTGCTTCTCCTATGCCCTCCTATGGACTCCTTCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001193569
Insert Size:	1254 bp
OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001193569.1</u> , <u>NP_001180498.1</u>
RefSeq Size:	2493 bp
RefSeq ORF:	1254 bp
Locus ID:	29517
Cytogenetics:	1p12
Gene Summary:	may play a role in memory consolidation and spatial learning; may mediate aldosterone-induced signaling [RGD, Feb 2006] Transcript Variant: This variant (2) represents use of an alternate promoter, 5' UTR, and 5' coding region, compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus, compared to isoform 1.