

## Product datasheet for RN205750

### Sgk2 (NM\_134463) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sgk2 (NM_134463) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sgk2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205750 representing NM_134463 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTCCAGCCAGTTGGAGTTCCTAGCCCCAGCCCTCTAGGGCCAATGGGAACATCAACCTGGGGC  
CATCAGCCAACCCAAATGCCCGACCCACAGACTTTGATTTCTCAAAGTCATTGGCAAAGGGAACATGG  
GAAGGTCTACTGGCCAAGCGCAAGTCAGACGGAGCCTTCTATGCCGTGAAGGTGCTGCAGAAGAAGTCC  
ATCTTAAAAAACAAAGAGCAGAGCCACATCATGGCAGAACGCAACGTGCTACTGAAGAACGTGCGGCACC  
CCTTCTTGTGGCCTGCGTACTCCTTCCAGACCCAGAGAAGCTCTACTTTGTGCTTGACTATGTCAA  
CGGGGGAGAGCTTTTCTCCATCTCCAGCGGGAACACAGGTTCCCTGGAGCCCCGGGCCGGTTCTACACG  
GCAGAGGTGGCAAGCGCCATCGGTTATCTTCACTCTCTCAACATCATCTACAGAGACCTGAAGCCAGAAA  
ACATTCTCTTGGACTGCCAGGTCACGTGGTACTGACAGATTTCCGGCCTTGCAAGGAATGTGTAGAGCC  
CGAGGAGACCACATCCACCTTCTGCGGCACCCCTGAGTACTTGGCTCCAGAAGTCCTTCGTAAGAGCCT  
TACGATCGAGCAGTCGACTGGTGGTCTTAGGGGCCGTTCTCTACGAGATGCTGCACGGCCTGCCCCCT  
TCTTCAACACAGATGTGGCCAGATGTATGAGAACATTTGCATCAGCCGCTACAGATCCCTGGAGGCCG  
GACAGTGGCTGCCTGTGACCTCCTGCAGGGTCTTCTCCACAAGGACCAGAGGCAGCGGCTGGGCTCCAAG  
GAAGACTTTCTCGACATAAAGAACCACATGTTCTTCAGTCCATAAATTGGGATGATCTGTACCACAAGA  
GGCTGACTCCACCCTTCAACCCAAACGTGGAGGGACCCGCTGACTTGAAACACTTTGACCCAGAGTTCAC  
CCAGGAGGCTGTGTCCAAGTCCATTGGCTGCACCCCTGACACCATGTCCAGCAGTTCTGGGGCTCAAGT  
GCATTCCTCGGATTCTCCTATGCACAGGATGATGATGACATCTTGGACTCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_134463



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<b>Insert Size:</b>	1104 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>	<a href="#">NM_134463.1</a> , <a href="#">NP_604458.1</a>
<b>RefSeq Size:</b>	2708 bp
<b>RefSeq ORF:</b>	1104 bp
<b>Locus ID:</b>	171497
<b>UniProt ID:</b>	<a href="#">Q8R4U9</a>
<b>Cytogenetics:</b>	3q42
<b>Gene Summary:</b>	human homolog induces activation of the epithelial sodium channel ENaC [RGD, Feb 2006]