

## Product datasheet for **SC123638**

### **SGK2 (BC014037) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SGK2 (BC014037) Human Untagged Clone
Tag:	Tag Free
Symbol:	SGK2
Synonyms:	dj138B7.2; H-SGK2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for BC014037 edited  
 GGCACGAGGGAGAAGAGGGCAGAGCCGTGCATGGGGCTGCTCCCCAGGACCTGAGCAGGA  
 ACCTGGAGTTTTAGAGCTGCCTGATCATTGCTACAGAATGAACTCTAGCCCAGCTGGGA  
 CCCAAGTCCACAGCCCTCCAGGGCCAATGGGAACATCAACTGGGGCCTCAGCCAACC  
 CAAATGCCAGCCACGGACTTCGACTTCTCAAAGTCATCGGCAAAGGGAACACGGGA  
 AGGTCCTACTGGCCAAGCGCAAGTCTGATGGGGCTTCTATGCAGTGAAGTACTACAGA  
 AAAAGTCCATCTTAAAGAAGAAAGAGCAGAGCCACATCATGGCAGAGCGCAGTGTGCTTC  
 TGAAGAACGTGCGGCACCCCTTCCTCGTGGGCTGCGCTACTCCTTCCAGACACCTGAGA  
 AGCTCTACTTCGTGCTCGACTATGTCAACGGGGGAGAGCTTCTTCCACCTGCAGCGGG  
 AGCGCCGGTTCCTGGAGCCCCGGCCAGGTTCTACGCTGCTGAGGTGGCCAGCGCCATTG  
 GCTACCTGCACTCCCTCAACATCATTTACAGGGATCTGAAACCAGAGAACATTCTCTTG  
 ACTGCCAGGGACAGTGGTGTGACGGATTTTGGCCTCTGCAAGGAAGGTGTAGAGCCTG  
 AAGACACCACATCCACATTCTGTGGTACCCTGAGTACTTGGCACCTGAAGTGTTCGGA  
 AAGAGCCTTATGATCGAGCAGTGGACTGGTGGTCTTGGGGCAGTCTCTACGAGATGC  
 TCCATGGCCTGCCGCCCTTCTACAGCCAAGATGTATCCCAGATGTATGAGAACATTCTGC  
 ACCAGCCGCTACAGATCCCCGGAGGCGGACAGTGGCCGCTGTGACCTCTGAAAAGCC  
 TTCTCCACAAGGACCAGAGGCAGCGGCTGGGCTCCAAAGCAGACTTTCTTGAGATTAAGA  
 ACCATGTATTCTCAGCCCCATAAACTGGGATGACCTGTACCACAAGAGGCTAACTCCAC  
 CCTTCAACCCAAATGTGACAGGACCTGTGACTTGAAGCATTGACCCAGAGTTCACCC  
 AGGAAGCTGTGTCCAAGTCCATTGGCTGTACCCCTGACACTGTGGCCAGCAGCTCTGGGG  
 CCTCAAGTGCATTCTGGGATTTCTTATGCGCCAGAGGATGATGACATCTTGGATTGCT  
 AGAAGAGAAGGACCTGTGAACTACTGAGGCCAGCTGGTATTAGTAAGGAATTACCTTCA  
 GCTGTAGGAAGAGCGACTCAAATAACAATGGCTTCAACGAGAAGCAGGTTTATTTTTT  
 CCAGCACATAAAAGAAAATAATGTTTTCGGAGTCCAGGACTGGCAGGACAGGTATCAGA  
 TACTCAGAGGCTGTATCTGCCCCTGCCAACCTTGACAAATGGCTTCCAATGTTAGGTTT  
 GCTACAAGATGGTACTGGAGCTCTAGCTGCCTATTTTGTGTTTGGGAAGGGAAAATGG  
 AGGAAAGGGGAGAAGAGCAAAGGGCGCTTTTAAAGAGCTTTCCAAAAGCTCCACCCAAT  
 GACTTCTGCTTCCATCTCACTAACCACCCACCCCTACCTGGAATGGAGGCTGGGAGATG  
 GGCTTATTTGCTGGGTACGTGACTATCCCTAATAACAAAGGGTCTGACACTAAGACAT  
 TAGGGGAGAATGTTGGGTAGGCAGCCAGCACTTTTTACCAGAGGGCCTCCTGGTGTG  
 GATTTTGTCTCAATGTGTAATAATGACAGAGATGTAACAAGCTCATAGGGTATCAATAAA  
 AAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for BC014037 unedited  
 NAATGTACAACATTTGNTATACGACTCACTATAGGCGCCGGAATTCGCACGAGGAGAA  
 GAGGCAGAGCCGTGCATGGGGCTGCTCCCAGGACCTGAGCAGGAACCTGGAGTTTTAG  
 AGTCCCTGATCATTGCTACAGAATGAACTCTAGCCCAGCTGGGACCCCAAGTCCACAG  
 CCTCCAGGGCCAATGGGAACATCAACTGGGGCCTTCCAGCAACCCAAATGCCAGCCCA  
 CGGACTTCGACTTCTCAAAGTCATCGGCAAAGGGAACACGGGAAGGTCTACTGGCCA  
 AGCGCAAGTCTGATGGGGCTTCTATGCAGTGAAGTACTACAGAAAAAGTCCATCTTAA  
 AGAAGAAAGAGCAGAGCCACATCATGGCAGAGCGCAGTGTGCTTCTGAAGAAGTGCAGC  
 ACCCCTTCTCGTGGGCTGCGTACTCCTTCCAGACACCTGAGAAGCTCTACTTCGTGC  
 TCGACTATGTCAACGGGGAGAGCTTCTTCCACCTGCAGCGGGAGCGCCGTTCTCGG  
 AGCCCCGGCCAGGTTCTACGCTGCTGAGGTGGCCAGCGCCATTGGCTACCTGCACTCCC  
 TCAACATCATTTACAGGGATCTGAAACCAGAGAACATTCTTGGACTGCCAGGGACAGC  
 TGGTGTGACGGATTTTGGCCTCTGCAAGGAATGTGTAGAGCCTGAAGACACCACATCCA  
 CATTCTGTGGTACCCCTGAGTACTTGGCNACCTGAGTGTCTCGGANAGAGCCTTATGATC  
 GAGCAGTGGACTGGTGGTCTTGNNGGCAGTCTCTACGAGATGCTCCAGGGCCTGCCGC  
 CCTTCTACAGCCAAGATGTATCCCAGATGTATGAGAACATGCTGCACCAGCCGCTACA

**Restriction Sites:** Please inquire  
**ACCN:** BC014037

<b>Insert Size:</b>	1815 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="#">BC014037.1</a> , <a href="#">AAH14037.1</a>
<b>RefSeq Size:</b>	1815 bp
<b>Locus ID:</b>	10110
<b>Cytogenetics:</b>	20q13.12
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Gene Summary:</b>	This gene encodes a serine/threonine protein kinase. Although this gene product is similar to serum- and glucocorticoid-induced protein kinase (SGK), this gene is not induced by serum or glucocorticoids. This gene is induced in response to signals that activate phosphatidylinositol 3-kinase, which is also true for SGK. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2010]