

## Product datasheet for **SC322464**

### **SGK3 (NM\_013257) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SGK3 (NM_013257) Human Untagged Clone
Tag:	Tag Free
Symbol:	SGK3
Synonyms:	CISK; SGK2; SGKL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for SC322464  
 CCTCTGCTGACTGTTTCTTCGGATGCATTTTTTGGTGTGCTCTTGAGGGATTAATGCAA  
 AGAGATCACACCATGGACTACAAGGAAAGCTGCCCAAGTGAAGCATTCCCAGCTCCGAT  
 GAACACAGAGAGAAAAAGAGGTTTACTGTTTATAAAGTTCTGGTTTCAGTGGGAAGA  
 AGTGAATGGTTTGTCTTCAGGAGATATGCAGAGTTTGATAAACTTTATAACACTTTAAAA  
 AAACAGTTTCTGCTATGGCCCTGAAGATTCTGCCAAGAGAATATTTGGTGATAATTTT  
 GATCCAGATTTTATAAACAAGACGAGCAGGACTAAACGAATTCATTGAACTAGTT  
 AGGTATCCAGAACTTTATAACCATCCAGATGTCAGAGCATTCTTCAAATGGACAGTCCA  
 AAACACCAAGTCAGATCCATCTGAAGATGAGGATGAAAGAAGTTCTCAGAAGCTACTCT  
 ACCTCACAGAACATCAACCTGGGACCGTCTGAAATCCTCATGCCAAACCAACTGACTTT  
 GATTTCTTAAAGTTATTGGAAAAGGCAGCTTTGGCAAGTTCTTCTTGCAAAACGGAAA  
 CTGGATGGAAAATTTTATGCTGTCAAAGTGTACAGAAAAAATAGTTCTCAACAGAAAA  
 GAGCAAAACATATTATGGCTGAACGTAATGTGCTCTTGAAAAATGTGAAACATCCGTTT  
 TTGGTTGGATTGCATTATCCTTCCAAACAAGTAAAAGCTTTATTTTGTCTGGATTTT  
 GTTAATGGAGGGAGCTTTTTTCCACTTACAAAGAGAACGGTCTTTTCTGAGCACAGA  
 GCTAGGTTTTACGCTGCTGAAATGCTAGTGCATTGGGTTACTTACATCCATCAAATA  
 GTATACAGAGACTTGAAACCAGAAAATATTCTTTTGGATTCAGTAGGACATGTTGTCTTA  
 ACAGATTTTGGGCTTTGTAAAGAAGGAATTGCTATTTCTGACACCACTACCACATTTTGT  
 GGGACACCAGAGTATCTTGCACCTGAAGTAATTAGAAAACAGCCCTATGACAATACTGTA  
 GATTGGTGGTGCCTTGGGGCTGTCTGTATGAAATGCTGTATGGATTGCCTCCTTTTTAT  
 TGCCGAGATGTTGCTGAAATGTATGACAATATCCTTACAAAACCCCTAAGTTTGAGGCCA  
 GGAGTGAGTCTTACAGCCTGGTCCATTCTGGAAGAAGTCTAGAAAAAGACAGGCAAAAT  
 CGACTTGGTGCCAAGGAAGACTTTCTTGAATTCAGAATCATCCTTTTTTTGAATCACTC  
 AGCTGGGCTGACCTTGTACAAAAGAAGATTCCACCACCTTTAATCCTAATGTGGCTGGA  
 CCAGATGATATCAGAACTTTGACACAGCATTTACAGAAGAAACAGTTCCATATTCTGTG  
 TGTGTATCTTCTGACTATTCTATAGTGAATGCCAGTGTATTGGAGGCAGATGATGCATTC  
 GTTGGTTTCTTATGCACCTCCTTCCAGAACTTATTTTTGTGAGCAGTTTGCATTCA  
 GAAACCATTGAGCAAAATAAGTCTATAGATGGGACTGAAACTTCTATTTGTGTAATATA  
 TTCAAATATGTATAACTAGTGCCTCATTTTTATATGTAATGATGAAAACATGAAAAAT  
 GTATTTTCTTCTATGTGCAAGAAAAATAGGGCATTTCAAAGAGCTGTTTTGATTAATTA  
 TATATTCTGTTTAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_013257

**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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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:**

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:** [NM\\_013257.3](#), [NP\\_037389.4](#)

**RefSeq Size:** 4155 bp

**RefSeq ORF:** 1491 bp

**Locus ID:** 23678

**UniProt ID:** [Q96BR1](#)

**Cytogenetics:** 8q13.1

**Domains:** pkinase, S\_TK\_X, TyrKc, PX, S\_TKc

**Protein Families:** Druggable Genome, Protein Kinase

**Gene Summary:** This gene is a member of the Ser/Thr protein kinase family and encodes a phosphoprotein with a PX (phox homology) domain. The protein phosphorylates several target proteins and has a role in neutral amino acid transport and activation of potassium and chloride channels. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (1) encodes the longer isoform (1). Variants 1 and 3 encode the same isoform.