

Product datasheet for **SC100682**

SGK3 (NM_170709) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SGK3 (NM_170709) Human Untagged Clone
Tag:	Tag Free
Symbol:	SGK3
Synonyms:	CISK; SGK2; SGKL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC100682 sequence for NM_170709 edited (data generated by NextGen Sequencing)

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ATGCAAAGAGATCACACCATGGACTACAAGGAAAGCTGCCAAGTGAAGCATTCCCAGC
TCCGATGAACACAGAGAGAAAAAGAGGTTTACTGTTATAAAAGTTCTGGTTTCAGTG
GGAAGAAGTGAATGGTTTGTCTTCAGGAGATATGCAGAGTTTGATAAACTTTATAACACT
TTAAAAAACAGTTTCTGCTATGGCCCTGAAGATTCTGCCAAGAGAATATTTGGTGAT
AATTTTGATCCAGATTTTATAAACAAAGACGAGCAGGACTAAACGAATTCATTCAGAAC
CTAGTTAGGTATCCAGAACCTTTATAACCATCCAGATGTCAGAGCATTCTTCAAATGGAC
AGTCCAAAACACCAAGTCAGATCCATCTGAAGATGAGGATGAAAGAAGTTCTCAGAAGCTA
CACTCTACCTCACAGAACATCAACCTGGGACCGTCTGGAATCCTCATGCCAAACCAACT
GACTTTGATTTCTTAAAAGTTATTGAAAAGGCAGCTTTGGCAAGTTCTTCTTGCAAAA
CGGAAACTGGATGAAAAATTTATGCTGTCAAAGTGTACAGAAAAAATAGTTCTCAAC
AGAAAAGAGCAAAAACATATTATGGCTGAACGTAATGTGCTCTTGAAAAATGTGAAACAT
CCGTTTTTGGTTGGATTGCATTATCCTTCCAACAACACTGAAAAGCTTTATTTTGTCTG
GATTTTGTTAATGGAGGGGAGCTTTTTTCCACTTACAAAGAGAACGGTCTTTCTCCTGAG
CACAGAGCTAGGTTTTACGCTGCTGAAATTGCTAGTGCATTGGGTTACTTACATTCCATC
AAAATAGTATACAGAGACTTGAAACCAGAAAATATTCTTTTGGATTTCAGTAGGACATGTT
GTCTTAACAGATTTTGGGCTTTGTAAGAAGGAATTGCTATTTCTGACACCACTACCACA
TTTTGTGGGACACCAGAGCCTCCTTTTTATTGCCGAGATGTTGCTGAAATGTATGACAA
ATCCTTCAACAACCCCTAAGTTTGGAGCCAGGAGTGAGTCTTACAGCCTGGTCCATTCTG
GAAGAACTCCTAGAAAAAGACAGGCAAAATCGACTTGGTCCAAAGGAAGACTTTCTTGAA
ATTGAGAAATCATCCTTTTTTTGAATCACTCAGCTGGGCTGACCTTGACAAAAGAAGATT
CCACCACATTTAATCCTAATGTGGCTGGACCAGATGATATCAGAAAACCTTGACACAGCA
TTTACAGAAAGAAACAGTTCCATATTCTGTGTGTATCTTCTGACTATTCTATAGTGAAT
GCCAGTGTATTGGAGGCAGATGATGCATTGCTGGTTTCTTATGCACCTCCTTCAGAA
GACTTATTTTTGTGA
    
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Clone variation with respect to NM_170709.2

5' Read Nucleotide Sequence: >OriGene 5' read for NM_170709 unedited

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AAAAAGAGTTTACAGGACAGTTGTNAATACGAACTCACTATTAGGGCGGGCCGCGGAATTC
NGCACCAGGCCCGCCGGGGGCAGCACCAGCGGGGCCAGGGTGCCTGAGGGGATTTGAACA
TTACTTCAAGAGGTGTTGTGTTTTGGATTAGTTAATTGGGTTTGTCTCTGCTGACTGTG
TCTTCCGATGCATTTTTTGGTGTGCTCTTGAGGGATTAATGCGAAGAGATCACACCATG
GACTACAAGGAAAGCTGCGCAAGTGAAGCATTCCCAGCTCCGATGAACACAGAGAGAAA
AAGAAGAGGTTTACTGTTTATAAAAGTTCTGGTTTCAGTGGGAAGAAGTGAATGGTTTGTG
TTCAGGAGATATGCAGAGTTTGATAAACTTTATAACACTTTAAAAAACAGTTTCTGCTGGT
ATGGCCCTGAAGATTCTGGCAAGAGAATATTTGGTGATAATTTTGATCCAGATTTTATT
AAACAAAGACGAGCAGGACTAAACGAATTCATTCAGAACCTAGTTAGGTGTCCAGAACTT
TATAACCATCCAGATGTCAGAGCATTCTTCAAATGGACAGTCCAAAACACCAAGTCAGAT
CCATCTGAAGATGAGGATGAAAGAAGTTCTCAGAAGCTACACTCTACCTCACAGAACATC
AACCTGGGACCGTCTGGGAATCCTCATGCCAAACCAACTGACTTTGATTTCTTAAAAGTT
ATTGAAAAGGCGGCTTTGGCAAGGGTCTTCTTGCGAAACGGAGACTGGATGGAAAATTT
TATGCTGTCAAAGTGTACAGAAAAAATAGTTCTCAACAGAAAAGAGCANAACATATTAT
GGCTGAACGTATGTGCTTGAAGATGTGAACTCCGTTTTTGGGTGGATGCGTTATCCTT
TCCAACACTGAAAGCTTATT
    
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Restriction Sites: NotI-NotI

ACCN: NM_170709

Insert Size: 3100 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).
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:	NM_170709.1 , NP_733827.2
RefSeq Size:	4059 bp
RefSeq ORF:	1395 bp
Locus ID:	23678
UniProt ID:	Q96BR1
Cytogenetics:	8q13.1
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.</p>