

Product datasheet for **SC115312**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_013257 edited
 ATGCAAAGAGATCACACCATGGACTACAAGGAAAGCTGCCCAAGTGAAGCATTCCCAGC
 TCCGATGAACACAGAGAGAAAAAGAAGAGTTTACTGTTTATAAAGTTCTGGTTTCAGTG
 GGAAGAAGTGAATGGTTTGTCTTCAGGAGATATGCAGAGTTTGATAAACTTTATAACACT
 TTAATAAACAGTTTCTGCTATGGCCCTGAAGATTCTGCCAAGAGAATATTTGGTGAT
 AATTTTGTCCAGATTTTATAACAAAGACGAGCAGGACTAAACGAATTCATTCCAGAAC
 CTAGTTAGGTATCCAGAAGTTTATAACCATCCAGATGTCAGAGCATTCTTCAAATGGAC
 AGTCCAAAACACCCAGTCAGATCCATCTGAAGATGAGGATGAAAGAAGTTCTCAGAAGCTA
 CACTCTACCTCACAGAACATCAACCTGGGACCGTCTGGAAATCCTCATGCCAAACCAACT
 GACTTTGATTTCTAAAAGTTATTGAAAAGGCAGCTTTGGCAAGTTCTTCTTGCAAAA
 CGGAAACTGGATGAAAAATTTATGCTGTCAAAGTGTTACAGAAAAAATAGTTCTCAAC
 AGAAAAGAGCAAAAACATATTATGGCTGAACGTAATGTGCTCTTGAAAAATGTGAAACAT
 CCGTTTTTGGTTGGATTGCATTATCTTCCAAACAACCTGAAAAGCTTTATTTTGTCTG
 GATTTTGTAAATGGAGGGGAGCTTTTTTCCACTTACAAGAGAACGGTCTTTCCCTGAG
 CACAGAGCTAGTTTTACGCTGCTGAAATTGCTAGTGCATTGGGTTACTTACATTCCATC
 AAAATAGTATACAGAGACTTGAAACCAGAAAATATTCTTTTGGATTTCAGTAGGACATGTT
 GTCTTAACAGATTTTGGGCTTTGTAAAGAAGGAATTGCTATTTCTGACACCACTACCACA
 TTTTGTGGGACACCAGAGTATCTTGACCTGAAGTAATTAGAAAACAGCCCTATGACAAT
 ACTGTAGATTGGTGGTGCCTTGGGCTGTTCTGTATGAAATGCTGTATGGATTGCCTCCT
 TTTTATTGCCGAGATGTTGCTGAAATGTATGACAATATCTTCAAAAACCCCTAAGTTTG
 AGGCCAGGAGTGAGTCTTACAGCCTGGTCCATTCTGGAAGAACTCTAGAAAAAGACAGG
 CAAAATCGACTTGGTGCCAAGGAAGACTTTCTTGAAATTCAGAATCATCTTTTTTTGAA
 TCACTCAGCTGGGCTGACCTTGTACAAAAGAAGATTCCACCACCATTTAATCCTAATGTG
 GCTGGACCAGATGATATCAGAACTTTGACACAGCATTACAGAAGAAACAGTTCCATAT
 TCTGTGTGTATCTTCTGACTATTCTATAGTGAATGCCAGTGTATTGGAGGCAGATGAT
 GCATTCGTTGGTTTCTCTATGCACCTCCTTCAGAAGACTTATTTTTGTGA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013257 unedited
 GGTACAGATTTTGTAAATACGACTTCACTATAGGGCGGCCGCGATTTCGGCACGAGGCCCGG
 CCGAGTGTGGCGCAGCAGTGGCGGCGCTTCCCATTGCGCATGCGCCGGGGTGGGTGCC
 GAAGGTTGCATGATGGAATTTGAACACTTCAAGAGGTTTTGTATTTGGATTAGTTA
 ATTGGGTTTGCCTCTGCTGACTGTTTCTCGGATGCATTTTTGGTGTGCTCTTGAGGG
 ATTAATGCAAAGAGATCACACCATGGACTACAAGGAAAGCTGCCAAGTGAAGCATTCC
 CCAGTCCGATGAACACAGAGAGAAAAAGAGGTTTACTGTTTATAAAGTTCTGGTTT
 CAGTGGGAAGAAGTGAATGGTTTGTCTTCCAGGAGATATGCAGAGTTTGATAAACTTTATA
 ACACTTTAAAAAACAGTTTCTGCTATGGCCCTGAAGATTCTGCCAAGAGAATATTTG
 GTGATAATTTGATCCAGATTTTATTAACAAAGACGAGCAGGACTAAACGAATTCATTC
 AGAACCTAGTTAGGTATCCAGAACTTTATAACCATCCAGATGTCAGAGCATTCTTCAA
 TGGACAGTCCAAAACACCAGTCAGATCCATCTGAAGATGAGGATGAAAGAAGTTCTCAGA
 AGCTACACTCTACCTCACAGAACATCAACCTGNGACCGTCTGGAAATCCTCATGCCAAAC
 CAACTGACTNTGATTTCTTAAAGTTATTGAAAAGGCAGCTTTGGCAAGTTCTTCTTGC
 AAAACGGAACTGGATGGAATTTTATGCTGTCAAATGTTACAGAAAAATAGTTCTCAAC
 GAAAGAGCANAACATATATGGCTGAACGTATGTGCTCTTGAAAAATGTGAACATCCCGTT
 TTGGNTGGATTGCATT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013257 unedited
 ACCGCGGGCCGCTAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTGGAGATGGAGTTTCA
 CTCTTGTGCCCAGGCAGGAGTGAATGGTGGATCTCGGCTCACTGCAACCTCCGCCTC
 CCGGGTTCAAGCGATTCTCCTGCCTTAGCCTCCAAGTAGCTGGGATTATAGGCATGTGC
 CACCACACCTGCCAATTTTGTATTTTAGTAGAGACGGGGTTTGTCCATGTTGGTCAGG
 CTGGTCTCCAACCTCTGACCTCAAGGGAGATTTGCCCCCTAACCTCCCAAAAAGGGGG
 GAATCACAGGGGGTGGCCACCCCCCCCCCGCCGCTGTCTTTTTTTAAAAAGCCCC
 GAAAAAAAACACCTCTCTTATTGTGCTAACAAACACCCACCCGCGCGGGCCGCGATAAA
 TTTTTCTCTCCTCTGTACTCCATCACACCCCCCAAACCTACTTTTCTCCACCT
 ATTTTTCTTTTTGTGAAAAATGCATATTTCTTTTTCATACACCCCCACACCCAT
 CCCTCCCTCTTGTGCTGTGGTTGTTATCCCCCTACCCCCACCCAACCACCACCTCC
 ACTTCTTAATCCTCTCTTCCCTCTTCTCCTCCTCCCTCACCTTCTGCACAAAAAT
 CACCTTACCTCCTGCTGTTTCGTCCTCCTCCTCCCTCCCTCCCTCCCAACCCCTC
 ACACAACCCACCTAGGCCTTCGGTTCCGTTTTTTTTGCTTGGAGTCTTATATATTCTCC
 CCTTCTATCTCTCCACTTTTATTCTTTTTCATACTATTACCCTATANTACCTTATCCT
 CCTACTTCTCCCCCCCCCTCTGCGCCCTCCCCCCCCCTCCCTCCCTCCCTCTCCCC
 TTAATCCCCCCCCCCCCACTCCTCCCTCCCTCCCCCGGCG

Restriction Sites:

NotI-NotI

ACCN:

NM_013257

Insert Size:

2680 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:	<u>NM_013257.3, NP_037389.4</u>
RefSeq Size:	4155 bp
RefSeq ORF:	1491 bp
Locus ID:	23678
UniProt ID:	<u>Q96BR1</u>
Cytogenetics:	8q13.1
Domains:	pkinese, S_TK_X, TyrKc, PX, S_TKc
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 (1) encodes the longer isoform (1). Variants 1 and 3 encode the same isoform.</p>