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Product datasheet for SC335795

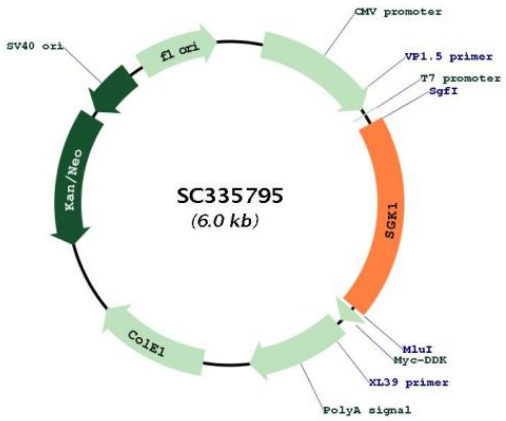
SGK1 (NM_001291995) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SGK1 (NM_001291995) Human Untagged Clone
Tag:	Tag Free
Symbol:	SGK1
Synonyms:	SGK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335795 representing NM_001291995. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGACGGTGAAAACTGAGGCTGCTAAGGGCACCCTCACTTACTCCAGGATGAGGGGCATGGTGGCAATT CTCATCGCTTTCATGAAGCAGAGGAGGATGGGTCTGAACGACTTTATTCAGAAGATTGCCAATAACTCC TATGCATGCAAACACCCTGAAGTTCAGTCCATCTTGAAGATCTCCCAACCTCAGGAGCCTGAGCTTATG AATGCCAACCCTTCTCCTCCACCAAGTCCTTCTCAGCAAATCAACCTTGGCCCGTCGTCCAATCCTCAT GCTAAACCATCTGACTTTCACTTCTTGAAAGTGATCGGAAAGGGCAGTTTTGGAAAGGTTCTTCTAGCA AGACACAAGGCAGAAGAAGTGTTCTATGCAGTCAAAGTTTTACAGAAGAAAGCAATCCTGAAAAAGAAA GAGTTGTTCTACCATCTCCAGAGGGAACGCTGCTTCCTGGAACCACGGGCTCGTTTCTATGCTGCTGAA ATAGCCAGTGCCTTGGGCTACCTGCATTCACTGAACATCGTTTATAGAGACTTAAAACCAGAGAATATT TTGCTAGATTCACAGGGACACATTGTCCTTACTGACTTCGGACTCTGCAAGGAGAACATTGAACACAAC AGCACAACATCCACCTTCTGTGGCACGCCGGAGTATCTCGCACCTGAGGTGCTTCATAAGCAGCCTTAT GACAGGACTGTGGACTGGTGGTGCCTGGGAGCTGTCTTGTATGAGATGCTGTATGGCCTGCCGCCTTTT TATAGCCGAAACACAGCTGAAATGTACGACAACATTCTGAACAAGCCTCTCCAGCTGAAACCAAATATT ACAAATTCCGCAAGACACCTCCTGGAGGGCCTCCTGCAGAAGGACAGGACAAAGCGGCTCGGGGCCAAG GATGACTTCATGGAGATTAAGAGTCATGTCTTCTTCTCCTTAATTAACTGGGATGATCTCATTAATAAG AAGATTACTCCCCCTTTTAACCCAAATGTGAGTGGGCCCAACGACCTACGGCACTTTGACCCCGAGTTT ACCGAAGAGCCTGTCCCCAACTCCATTGGCAAGTCCCCTGACAGCGTCCTCGTCACAGCCAGCGTCAAG GAAGCTGCCGAGGCTTTCCTAGGCTTTTCCTATGCGCCTCCCACGGACTCTTTCCTCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

View online »

Plasmid Map:



ACCN:	NM_001291995
Insert Size:	1164 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:	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_001291995.1
RefSeq Size:	2282 bp
RefSeq ORF:	1164 bp
Locus ID:	6446
UniProt ID:	O00141
Cytogenetics:	6q23.2
Protein Families:	Druggable Genome, Protein Kinase
MW:	43.8 kDa

Gene Summary: This gene encodes a serine/threonine protein kinase that plays an important role in cellular stress response. This kinase activates certain potassium, sodium, and chloride channels, suggesting an involvement in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. High levels of expression of this gene may contribute to conditions such as hypertension and diabetic nephropathy. Several alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jan 2009]
Transcript Variant: This variant (5) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (5) has the same N- and C-termini but is shorter compared to isoform 1.