

Specifications:

Gene:	hSGK3
Accession:	NP_037389.4
Insert size:	1504bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

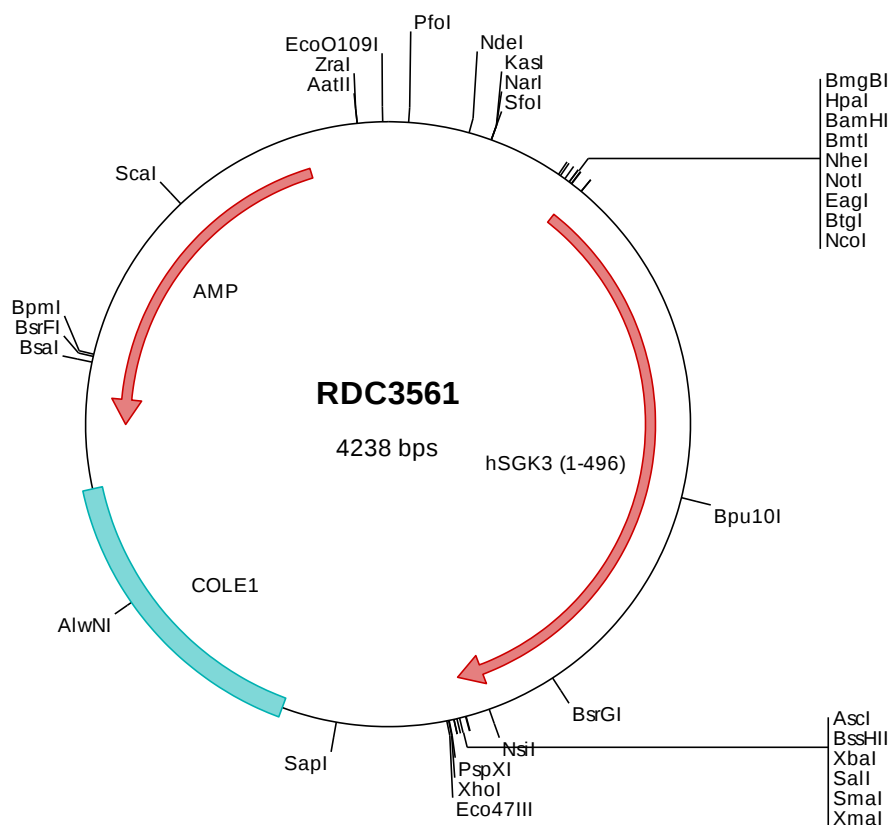
hSGK3 cDNA Plasmid

**SGK3 serum/glucocorticoid
regulated kinase family member
3 [*Homo sapiens* (human)]**

Also known as: CISK; SGK2; SGKL

Summary:

SGK3 is a member of the Ser/Thr protein kinase family and encodes a phosphoprotein with a phox homology (PX) domain. It 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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3561 Plasmid DNA Sequence

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1  tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtc cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  cgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggaatgtctg caaggcgatt aagtgtggta agccagggtt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggcgccacc atgcaaaag atcacaccat ggactacaag gaaagctgcc caagtgttaag
501  cattcccagc tccgatgaac acagagagaa aaagaagagg tttactgttt ataaagtctt ggtttcagtg ggaagaagtg aatggtttgt cttcaggaga
601  tatgcagagt ttgataaaact ttataacact ttaaaaaaac agtttctctg tatggccctg aagattctctg ccaagagaat atttggtgat aattttgatc
701  cagattttat taaacaaaga cgagcaggac taaacgaatt cattcagaac ctagtttaggt ttccagaact ttataacct ccagatgtca gagcatctct
801  tcaaatggac agtccaaaac accagtcaga tcactctgaa gatgaggatg aaagaagttc tcagaagcta cactctacct cacagaacat caacctggga
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2201 caacgcgcgg ggagagcgcg tttgcgtatt gggcgctctt cgctctcttc gctcactgac tcgctgcgct cggtcggtcg gctgcccaga gcgggtatcag
2301 ctcactcaaa ggcggtaata cggttatcca cagaatcagg ggataacgca ggaagaagaa tgtagcaaaa aggccagcaa aaggccagga accgtataaa
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4101 tatttgaatg tatttagaaa aataaacaaa taggggttcc gcgcacattt ccccgaaaag tgccacctga cgtctaagaa accattatta tcatgacatt
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> RDC3561 Translated Insert Sequence

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201  rkeqkhimae rnvllknvkh pflvglhysf qtteklyfvl dfvnggelff hlqrsfpe hrarfyaaei asalgylhsi kivyrdlkpe nilldsvglv
301  vltdfglcke giaisdtttt fcgtpeylap evirkqpydn tvdwnclgav lyemlyglpp fycrdvaemy dnllhkplsl rpgvsltaws ileellekdr
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