

Specifications:

Gene:	<i>hSIK2</i>
Accession:	NP_056006.1
Insert size:	2794bp
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.

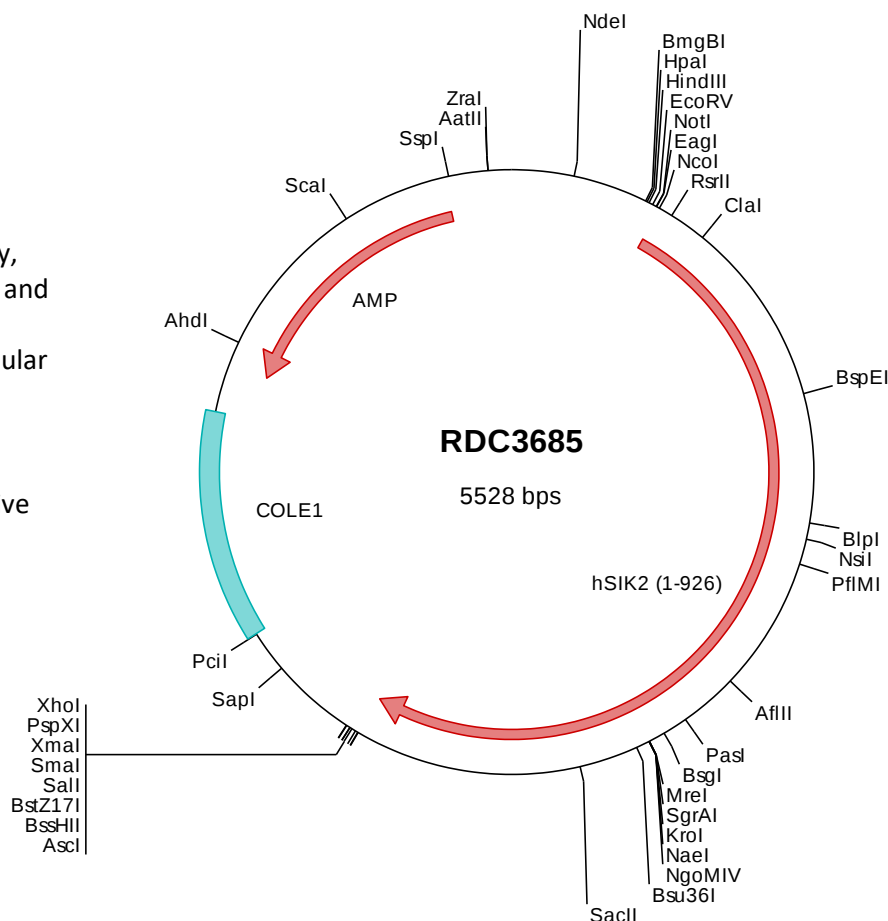
*h*SIK2 cDNA Plasmid

SIK2 salt inducible kinase 2
[*Homo sapiens* (human)]

Also known as: QIK; SIK-2;
SNF1LK2; LOH11CR1

Summary:

SIK2 enables ATP binding activity, magnesium ion binding activity, and protein serine/threonine kinase activity. It is involved in intracellular signal transduction and protein autophosphorylation. SIK2 is predicted to be located in the nucleus and predicted to be active in the cytoplasm.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3685 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtc cagcttgtct gtaagcggat gccgggagca gacaagcccc
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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgcccagct ggcgaaaggg ggaatgtctg caaggcgatt aagttgggta agcccgagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaaat
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701  aggttaatgga gaccaaaagt atgttgtacc ttgtgacaga atatgccaaa aatggagaaa tttttgacta tottgctaac catggccggt taaatgagtc
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> RDC3685 Translated Insert Sequence

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201  wsmgvvlylv vcalpfdgp tlpilgrqvl egrfripyfm sedcehlir mlvldpskrl tiaqikekw mlievqvqr vlypgeqene psigefneq
301  lrlmhsldgid qkktieslqn ksynhfaaiy flilverlksh rssfpevqrl dgrqrrpsti aeqtvakaqt vglpvtmhsp nmrlrsall pqaasveafs
401  fpasgcqaea afmeeccvdt pkvngcildp vppvlvrkgc qslpsnmmt sidegleteg eaedpahaf eafgstrsgq rrhltsvevn qlvmpgagk
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901  selplgfdee mldavdpqhn gyvlnv
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