

Active Recombinant Human SGK1 protein, GST-tagged

Cat. No. SGK1-4993H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SGK1 fused with GST tag at the N-terminus was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	M1-L431
Form	50 mM HEPES pH 7.5, 100 mM NaCl, 5 mM DTT, 15 mM reduced glutathione, 20% glycerol
Bio-activity	54 pmol/g×min
Molecular Mass	74,950 Da
AA Sequence	MTVKTEAAKG TLTYSRMRGM VAILIAFMKQ RRMGLNDFIQ KIANN SYACK HPEVQSILKI SQPQEPELMN ANSPPPSPSQQINLGPSSN PHAKPSDFHF LKVGIGKSGFG KVLLARHKAE EVFYAVKVLQ KKAILKKKEE KHIMSERNVL LKNVKHPFLVGLHFSFQTAD KLYFVL DYIN GGELFYHLQR ERCFLEPRAR FYAAEIASAL GYLHSLNIVY RDLKPENILL DSQGHIVLTD FGLCKENIEH NSTTSTFCGT PEYLAPEVLH KQPYDRTVDW WCLGAVLYEM LYGLPPFYSR NTAEMYDNIL NKPLQLKPNITNSARHLLG LLQKDRTKRL GAKDDFMEIK SHVFFSLINW DDLINKKITP PFNPNVSGPN DLRHFDPEFT EEPVPNSIGKSPDSVLVTAS VKEAAEAFLG FSYAPPTDSF L

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Storage	Storage temperature: -80 centigrade. Avoid repeated freeze-thaw cycles!
Concentration	0.126 g/μ
GENE INFORMATION	
Gene Name	SGK1 serum/glucocorticoid regulated kinase 1 [Homo sapiens]
Official Symbol	SGK1
Synonyms	SGK1; serum/glucocorticoid regulated kinase 1; serum/glucocorticoid regulated kinase , SGK; serine/threonine-protein kinase Sgk1; serine/threonine protein kinase SGK; serum/glucocorticoid-regulated kinase 1; SGK;
Gene ID	6446
mRNA Refseq	NM_005627
Protein Refseq	NP_005618
MIM	602958
UniProt ID	O00141
Chromosome Location	6q23
Pathway	Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; Class I PI3K signaling events, organism-specific biosystem; FoxO family signaling, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific

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biosystem; IL-6 Signaling Pathway, organism-specific biosystem; Insulin Pathway, organism-specific biosystem;

Function

ATP binding; calcium channel regulator activity; chloride channel regulator activity; nucleotide binding; potassium channel regulator activity; protein serine/threonine kinase activity; sodium channel regulator activity;

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