

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/gxmin
Molecular Mass	74,950 Da
AA Sequence	<p>MTVKTEAAKG TLTYSRMRGM VAILIAFMKQ RRMGLNDFIQ KIANNSYACK HPEVQSILKI SQPQPELMN ANSPPPSPSQQINLGPSSN PHAKPSDFHF LKVIGKGSFG KVLLARHKA E EVFYAVKVLQ KKAILKKKEE KHIMSERNVL LKNVKHPFLVGLHFSFQTAD KLYFVLDYIN GGELFYHLQR ERCFLEPRAR FYAAEIASAL GYLHSLNIVY RDLKPENILL DSQGHIVLTDGFLCKENIEH NSTTSTFCGT PEYLAPEVLH KQPYDRTVDW WCLGAVLYEM LYGLPPFYSR NTAEMYDNIL NKPLQLKPNITNSARHLLG LLQKDRTKRL GAKDDFMEIK SHVFFSLINW DDLINKKIP PFNPNVSGPN DLRHFDPEFT EEPVPNSIGKSPDSVLVTAS VKEAAEAFLG FSYAPPTDSF L</p>

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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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