

Active Recombinant Human SGK1 protein, His-tagged

Cat. No. SGK1-3920H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SGK1 fused with His tag at the N-terminus was expressed in Insect cells.
Species	Human
Source	Insect Cells
Form	50 mM Tris/HCl pH7.5, 0.1 mM EGTA, 150 mM NaCl, 0.1% β Mercaptoethanol, 270 mM sucrose, 0.03% Brij-35, 1 mM Benzamidine, 0.2 mM PMSF
Bio-activity	1088 Units/mg (750.8 Units/ml)
Molecular Mass	~45.5 kDa
AA Sequence	MSYYHHHHHH DYDIPTT E N LYFQGAMGISQPQEPELMNANPSPPPSPSQQ INLG PSSNPHAKPSDFHFLKVIGKGSFGKVLLARHKAEEVFYAVKVLQKKAILKKKEEKHIM SERNVLLKNVKHPFLVGLHFSFQTADKLYFV LDYINGGELFYHLQRERCFLEPRARF YAAEIASALGYLHSLNIVYRDLKPENILLDSQGHIV LTDFGLCKENIEHNSTTSTFCGT PEYLAPE VLHKQPYDRTVDWWCLGAVLYEMLYGLPPFYSRNTAEMYDNILNKPLQL KPNITNSARHL LEGLLQKDRTKRLGAKDDFMEIKSHVFFSLIN WDDLINKKITPPFNP NVSGPNDLRHFDPEFTEEPVPNSIGKSPDSVLVTASVKEAAEAFL GFDYAPPTDSFL
Purity	>90% by InstantBlue™ SDS-PAGE
Unit Definition	1 Unit = 1 nmole of phosphate incorporated into the substrate in 1 minute.

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Stability	12 months at -70 centigrade; aliquot as required.
Storage	Store at -70 centigrade
Concentration	0.69 mg/ml
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-

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specific biosystem; Glucocorticoid receptor regulatory network, organism-specific 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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