

**Product:** SGK2, active  
**Catalog #:** 02-2058  
**Amount:** 5 µg

**DESCRIPTION:** SGK2 is a member of the serum- and glucocorticoid-induced kinases (SGK) which are serine-threonine kinases and belong to the "AGC" kinase subfamily, which includes protein kinases A, G, and C, and its catalytic domain is most similar to protein kinase B (PKB) (1). SGK2, like the other two isoforms SGK1 and SGK3, is stimulated by insulin and insulin-like growth factor-1 (IGF-1), and has been shown to enhance Na(+)/K(+)-ATPase activity in a variety of cells (2).  
The gene accession number is [NM 170693](#)  
Gene Aliases: H-SGK2; dJ138B7.2

**SOURCE:** Recombinant full-length human SGK2 was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag

**MOLECULAR WEIGHT:** 71 kDa

**PURITY:** > 95% (by densitometry)

**FORM:** Purified, in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol

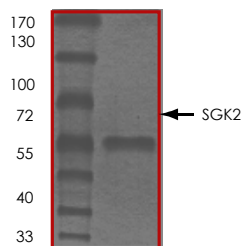
**CONCENTRATION:** 0.1 mg/ml

**SPECIFIC ACTIVITY:** 82 nmol/mim/mg

**STORAGE:** -70°C (aliquot). AVOID repeated Freeze/thaw cycles

**REFERENCE:**

1. Kobayashii, T. et al: Characterization of the structure and regulation of two novel isoforms of serum- and glucocorticoid-induced protein kinase. *Biochem J.* 1999 Nov 15;344 Pt 1:189-97
2. Boehmer, C. et al: Stimulation of renal Na<sup>+</sup> dicarboxylate cotransporter 1 by Na<sup>+</sup>/H<sup>+</sup> exchanger regulating factor 2, serum and glucocorticoid inducible kinase isoforms, and protein kinase B. *Biochem Biophys Res Commun.* 2004 Jan 23;313(4):998-1003



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