



# Recombinant Bovine Serine/threonine-protein kinase Sgk1 (SGK1)

<b>Product Code</b>	CSB-YP021189BO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	A7MB74
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Bos taurus (Bovine)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MTVKTEAARD TLTYSRMRGM VAILIAFMKQ RRMGLNDFIQ KIANNZYACK HPEVQSILKI SPPQEPELMN ANPSPPPSPS QQINLGPSSN PHAKPSDFHF LKVIGKGSFG KVLLARHKAE EAFYAVKVLQ KKAILKKKEE KHIMSERNVL LKNVKHPFLV GLHFSFQTAD KLYFVLDIYN GGELFYHLQR ERCFLEPRAR FYAAEIASAL GYLHSLNIVY RDLKPENILL DSQGHIVLTD FGLCKENIEH NGTTSTFCGT PEYLAPEVLH KQPYDRTVDW WCLGAVLYEM LYGLPPFYSR NTAEMYDNIL NKPLQLKPNI TNSARHVLEG LLQKDRTKRL GAKDDFMEIK NHVFFSLINW EDLINKKITP PFNPNVSGPS DLRHFDPEFT EEPVPNSIGR SPDSLTLTAS VKEAAEAFLG FSYAPPMSDF L
<b>Source</b>	Yeast
<b>Target Names</b>	SGK1
<b>Protein Names</b>	Recommended name: Serine/threonine-protein kinase Sgk1 EC= 2.7.11.1 Alternative name(s): Serum/glucocorticoid-regulated kinase 1
<b>Expression Region</b>	1-431
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene encodes a serine/threonine protein kinase that plays an important role in cellular stress response. This kinase activates certain potassium, sodium, and chloride channels, suggesting an involvement in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. High levels of expression of this gene may contribute to conditions such as hypertension and diabetic nephropathy. Several alternatively spliced transcript variants encoding different isoforms have been noted for this gene.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.