Recombinant Human Serine/threonine-protein kinase Sgk1 (SGK1)

Product Code	CSB-BP021189HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O00141
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MTVKTEAAKG TLTYSRMRGM VAILIAFMKQ RRMGLNDFIQ KIANNSYACK HPEVQSILKI SQPQEPELMN ANPSPPPSPS QQINLGPSSN PHAKPSDFHF LKVIGKGSFG KVLLARHKAE EVFYAVKVLQ KKAILKKKEE KHIMSERNVL LKNVKHPFLV GLHFSFQTAD KLYFVLDYIN GGELFYHLQR ERCFLEPRAR FYAAEIASAL GYLHSLNIVY RDLKPENILL DSQGHIVLTD FGLCKENIEH NSTTSTFCGT PEYLAPEVLH KQPYDRTVDW WCLGAVLYEM LYGLPPFYSR NTAEMYDNIL NKPLQLKPNI TNSARHLLEG LLQKDRTKRL GAKDDFMEIK SHVFFSLINW DDLINKKITP PFNPNVSGPN DLRHFDPEFT EEPVPNSIGK SPDSVLVTAS VKEAAEAFLG FSYAPPTDSF L
Source	Baculovirus
Target Names	SGK1
Protein Names	Recommended name: Serine/threonine-protein kinase Sgk1 EC= 2.7.11.1 Alternative name(s): Serum/glucocorticoid-regulated kinase 1
Expression Region	1-431
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	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.