

Recombinant Human SGK3, GST-tagged, Active

Cat. No. SGK3-430H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human SGK3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. MW = 82 kDa.
Species	Human
Source	Sf9 Cells
Description	SGK3 is a member of the SGK family and encodes a phosphoprotein with a PX (phox homology) domain. PKD1 can phosphorylate and activate SGK3 in vitro. A 10-fold increase in PKD1 increases the phosphorylation status of SGK3. When expressed in human embryonic kidney cells, IGF1 and peroxide significantly activate SGK3, and the activation could be reduced by preincubation with inhibitors of PI3 kinase. A yeast 2-hybrid screen found direct interaction between human SGK3 and GSK3 β . SGK3 phosphorylates several target proteins and has a role in neutral amino acid transport and activation of potassium and chloride channels.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

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Gene Name	SGK3 serum/glucocorticoid regulated kinase family, member 3 [Homo sapiens]
Synonyms	SGK3; serum/glucocorticoid regulated kinase family, member 3; CISK; SGK2; SGK1; DKFZp781N0293; serum/glucocorticoid regulated kinase 3; cytokine-independent survival kinase; serum/glucocorticoid regulated kinase-like; EC 2.7.11.1; Serum/glucocorticoid-regulated kinase 3; Serum/glucocorticoid-regulated kinase-like; Serine/threonine-protein kinase Sgk3
Gene ID	23678
mRNA Refseq	NM_001033578
Protein Refseq	NP_001028750
MIM	607591
UniProt ID	Q96BR1
Chromosome Location	8q12.3-q13.1
Function	ATP binding; nucleotide binding; phosphoinositide binding; protein binding; protein serine/threonine kinase activity; transferase activity

PDB rendering based
on 1xte.

