

Recombinant Human SGK2, GST-tagged, Active

Cat. No. SGK2-429H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human SGK2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. MW = 71 kDa.
Species	Human
Source	Sf9 Cells
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). 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.
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

Gene Name	SGK2 serum/glucocorticoid regulated kinase 2 [Homo sapiens]
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Synonyms	SGK2; serum/glucocorticoid regulated kinase 2; H-SGK2; dJ138B7.2; OTTHUMP00000031705; EC 2.7.11.1; OTTHUMP00000031702; OTTHUMP00000031703; Serum/glucocorticoid-regulated kinase 2; Serine/threonine-protein kinase Sgk2
Gene ID	10110
mRNA Refseq	NM_016276
Protein Refseq	NP_057360
MIM	607589
UniProt ID	Q9HBY8
Chromosome Location	20q13.2
Function	ATP binding; nucleotide binding; potassium channel regulator activity; protein serine/threonine kinase activity; sodium channel regulator activity; transferase activity