

Recombinant Human SGK1, T7-tagged

Cat. No. SGK1-755H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SGK1 (1-431 aa) is expressed in E.Coli with a T7 tag at N-terminus.
Species	Human
Source	E.coli
ProteinLength	1-431 a.a.
Description	SGK1 is a member of the serum- and glucocorticoid-induced protein kinase that is activated in vitro by 3-phosphoinositide-dependent protein kinase-1 (PDK1) and in vivo in response to signals that activate phosphatidylinositol (PI) 3-kinase. SGK1 mRNA is expressed in all tissues and the level of SGK1 mRNA is increased by stimulation with serum or dexamethasone. SGK1 promotes cell survival by phosphorylating and inactivating FKHL1. SGK and Akt display differences with respect to the efficacy with which they phosphorylate the three regulatory sites on FKHL1.
MW	48942 Da.
Purity	95%.
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100.0.002% NaN3. 10mM DTT.
Application	MS. SDS.

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GENE INFORMATION

Gene Name	SGK1 serum/glucocorticoid regulated kinase 1 [Homo sapiens]
Synonyms	SGK1; serum/glucocorticoid regulated kinase 1; SGK; serine/threonine protein kinase SGK; EC 2.7.11.1; serum/glucocorticoid regulated kinase; OTTHUMP00000017247; Serum/glucocorticoid-regulated kinase 1; Serum/glucocorticoid-regulated kinase 1
Gene ID	6446
mRNA Refseq	NM_001143676
Protein Refseq	NP_001137148
MIM	602958
UniProt ID	O00141
Chromosome Location	6q23
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

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