

Recombinant Human SGK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SGK1-2811H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SGK1 MS Standard C13 and N15-labeled recombinant protein (NP_005618) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	48.9 kDa
AA Sequence	MTVKTEAAKGTLTYSRMGMVAILIAFMKQRRMGLNDFIQKIANN SYACKHPEVQSIL KISQPQPELMNANPSPPPSPSQQINLG PSSNPHAKPSDFHFLKVIGKGSFGKVLLA RHKAEEVFYAVKVLQKKAILKKKEEKHIMSE RNVLLKNVKHPFLVGLHFSFQTADKLY FVL DYINGGELFYHLQRERC FLEPRARFYAAEIASALGYLHSLNIVYRDLKPENILLDS QGHIVLTD FGLCKENIEHNSTTSTFCGTPEYLAPEVLHKQPYDRTVDWWCLGAVLYE MLYGLPPFYSRNTAEMYDNILNKPLQLKPNITNSARHLL EGLLQKDRTKRLGAKDDF

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MEIKSHVFFSLINWDDLINKKITPPFNPVSGPNDLRHFDPEFTEEPVPNSIGKSPDS
VLVTASVKEAAEAFLGFSYAPPTDSFLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SGK1 serum/glucocorticoid regulated kinase 1 [Homo sapiens (human)]
Official Symbol	SGK1
Synonyms	SGK1; serum/glucocorticoid regulated kinase 1; serum/glucocorticoid regulated kinase, SGK; serine/threonine-protein kinase Sgk1; serine/threonine protein kinase SGK; serum/glucocorticoid-regulated kinase 1; SGK;
Gene ID	6446
mRNA Refseq	NM_005627
Protein Refseq	NP_005618
MIM	602958

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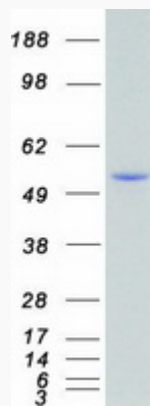
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UniProt ID

O00141

SDS-PAGE

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