

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

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

## SPECIFICATION

<b>Product Overview</b>	SGK1 MS Standard C13 and N15-labeled recombinant protein (NP_005618) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	48.9 kDa
<b>AA Sequence</b>	MTVKTEAAKGTLYSRMRGMVAILIAFMKQRRMGLNDFIQKIANN SYACKHPEVQSIL KISQPQPELMNANPSPPPSPSQINLGPSSNPHAKPSDFHFLKVIGKGSFGKVLLA RHKAEEVFYAVKVLQKKAILKKKEEKHIMSERNVLLKNVKHPFLVGLHFSFQTADKLY FVLDYINGGELFYHLQRERCFLEPRARFYAAEIASALGYLHSLNIVYRDLKPENILLDS QGHIVLTD FGLCKENIEHNSTTSTFCGTPEYLAPEVLHKQPYDRTVDWWCLGAVLYE MLYGLPPFYSRNTAEMYDNILNKPLQLKPNITNSARHLLLEGLLQKDRTKRLGAKDDF

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MEIKSHVFFSLINWDDLINKKITPPFNPVSGPNDLRHFDPEFTEEPVPNSIGKSPDS  
VLVTASVKEAAEAFGLGFSYAPPTDSFLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**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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UniProt ID

O00141

SDS-PAGE



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