Recombinant Mouse Sgk1 Protein, Myc/DDK-tagged

Cat. No. Sgk1-5824M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length serum/glucocorticoid regulated kinase 1 (Sgk1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
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. This enzyme is activated by protein phosphorylation and degraded via the ubiquitination and proteasome pathway. Multiple transcript variants encoding different isoforms have been found for this gene. A pseudogene of this gene was identified on chromosome 12.
Molecular Mass	48.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Sgk1 serum/glucocorticoid regulated kinase 1 [Mus musculus (house mouse)]
Official Symbol	Sgk1
Synonyms	Sgk1; serum/glucocorticoid regulated kinase 1; Sg; Sgk; serine/threonine-protein kinase Sgk1; serum and glucocorticoid-dependent protein kinase; EC 2.7.11.1
Gene ID	20393
mRNA Refseq	NM_011361
Protein Refseq	NP_035491
UniProt ID	Q9WVC6

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