

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

SGK1, 60-431 aa, Human, His tag, HI-5

产品货号: TP03920

第三版

别名: Serine/threonine-protein kinase Sgk1 isoform 1.

描述: SGK1, also known as serum-and glucocorticoid-regulated kinase, is a serine/threonine protein kinase and a member of the " AGC " subfamily, which includes protein kinases A, G, and C. This protein plays an important role in activating certain potassium, sodium and chloride channels, suggesting an involvement in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. It is activated in vitro by 3- phosphoinositide-dependent protein kinase-1 (PDK-1) and in vivo in response to signals that activate phosphatidylinositol (PI) 3-kinase. Recombinant human SGK1 protein was expressed with N-terminal His-tag in High-Five cells using baculovirus expression system and purified by using conventional chromatography techniques.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol 0.2M NaCl, 2mM DTT, 0.1mM PMSF

分子量: 44.5 kDa (393aa)

序列:

MGSSHHHHHSSGLVPRGSHMISQPQPELMNANPSPPPSPSQINLGPSSNPHAKPSDFHFLKVIKGSFGKVLLARHKA
EEVFYAVKVLQKKAILKKKEEKHIMSERNVLLKNVKHPFLVGLHFSFQTADKLYFVLDYINGGELFYHLQRERCFLEPRARF
YAAEIASALGYLHSLNIVYRDLKPENILLDSQGHIVLTDGLCKENIEHNSTTSTFCGTPEYLAPEVLHKQPYDRTVDWWCL
GAVLYEMLYGLPPFYSRNTAEMYDNILNKPLQLKPNITNSARHLLLEGLLQKDRTKRLGAKDDFMEIKSHVFFSLINWDDLI
NKKITPPFNPNVSGPNDLRHFDPEFTEEPVNSIGKSPDSVLVTASVKEAAEAFLGFSYAPPTDSFL

纯度: > 95% by HPLC

浓度: 0.25 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.