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32-3112: SGK1 Recombinant Protein

Alternative Name : Serine/threonine-protein kinase Sgk1,Serum/glucocorticoid-regulated kinase 1,SGK1,SGK.

Description

Source : Escherichia Coli. SGK1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 393 amino acids (60-431 a.a.) and having a molecular mass of 44.5kDa.SGK1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Serum-and glucocorticoid-regulated kinase (SGK1) is a serine/threonine protein kinase and a member of the 'AGC' subfamily, which includes protein kinases A, G, and C. The SGK1 protein has an imperative role in activating specific potassium, sodium and chloride channels, suggesting a participation in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. SGK1 is activated in vitro by PDK-1 (3-phosphoinositide-dependent protein kinase-1) and in vivo in reaction to signals which activate phosphatidylinositol (PI) 3-kinase.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	SGK1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 30% glycerol, 0.2M NaCl, 2mM DTT and 0.1mM PMSF.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MISQPQEPEL MNANPSPPPS PSQQINLGPS SNPHAKPSDF HFLKVIGKGS FGKVLLARHK AEEVFYAVKV LQKKAILKKK EEKHIMSERN VLLKNVKHPF LVGLHFSFQT ADKLYFVLDY INGGELFYHL QRERCFLEPR ARFYAAEIAS ALGYLHSLNI VYRDLKPENI LLDSQGHIVL TDFGLCKENI EHNSTTSTFC GTPEYLAPEV LHKQPYDRTV DWWCLGAVLY EMLYGLPPFY SRNTAEMYDN ILNKPLQLKP NITNSARHLL EGLLQKDRTK RLGAKDDFME IKSHVFFSLI NWDDLINKKI TPPFNPNVSG PNDLRHFDPE FTEEPVPNSI GKSPDSVLVT ASVKEAAEAF LGFSYAPPTD SFL.