

Recombinant Human SGK3 (N-GST tag)

Cat No:HR2R1951

For research use only

Overview

Quantity	10 ?g
Gene Symbol	SGK3
Gene ID	N/A
Accession	NM_013257
Alternative Name	CISK, SGKL
Species	Human
Source	Insect cells
Description	SGK3 is a member of the SGK family and encodes a phosphoprotein with a PX (phox homology) domain. PKD1 can phosphorylate and activate SGK3 in vitro . A 10-fold increase in PKD1 increases the phosphorylation status of SGK3. When expressed in human embryonic kidney cells, IGF1 and peroxide significantly activate SGK3, and the activation could be reduced by preincubation with inhibitors of PI3 kinase. A yeast 2-hybrid screen found direct interaction between human SGK3 and GSK3?. SGK3 phosphorylates several target proteins and has a role in neutral amino acid transport and activation of potassium and chloride channels .
Functions	The specific activity of SGK3 was determined to be 85 nmol /min/mgas per activity assay protocol
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	82
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.