

Recombinant Human SIK (N-GST tag)

Cat No:HR2R1955

For research use only

Overview

Quantity	10 ?g
Gene Symbol	SIK
Gene ID	N/A
Accession	NM_173354
Alternative Name	SNF1LK, MSK, SIK1
Species	Human
Source	Insect cells
Description	<p>SIK is a protein kinase that is involved in regulating AMPK-related kinases . SIK may mediate the physiological effects of LKB1, including its tumour suppressor function. SIK is also involved in signaling by various proteins like STRAD, NUA1, NUA2, BRSK1, BRSK2, QIK, QSK, SIK, MARK1, MARK2, MARK3, MARK4 and MELK that are related to AMPK. Activation of SIK1 by phosphorylation on thr322 can lead to an increase in the catalytic activity of sodium/potassium ATPase alpha subunit at the plasma membrane . This results in an increase in intracellular sodium in intact mammalian cells.</p>
Functions	The specific activity of SIK was determined to be 180 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	61
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.