

Active Recombinant Human SIK1 Protein, His-tagged

Cat. No. SIK1-431H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIK1(1-303) fused with His tag was expressed in baculovirus infected Sf9 cells.
Species	Human
Source	Insect Cells
ProteinLength	1-303 a.a.
Description	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.
Form	Buffered aqueous glycerol solution
Bio-activity	296 nmol/min·mg
Molecular Mass	~36 kDa
Quality Control Test	≥80% (SDS-PAGE)

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Notes	After opening, aliquot into smaller quantities and store at -70 centigrade. Avoid repeating handling and multiple freeze/thaw cycles
Storage	Store at -70 centigrade
Concentration	0.1 ug/ul
GENE INFORMATION	
Gene Name	SIK1 salt inducible kinase 1 [Homo sapiens (human)]
Official Symbol	SIK1
Synonyms	MSK; SIK; SIK-1; SNF1LK
Gene ID	150094
mRNA Refseq	173354
Protein Refseq	NP_775490
MIM	605705
UniProt ID	P57059
Chromosome Location	21q22.3

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