

SIK3 recombinant protein

SIK3, Active

CATALOG # AAA73949	HOST Sf9 insect cells	APPLICATIONS Western Blot
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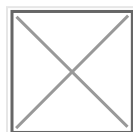
PRODUCT SYNONYMS

SIK3; Active; QSK; SIK-3; L19; FLJ12240; KIAA0999; SIK3 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for SIK3 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for SIK3 recombinant protein	Recombinant human SIK3 (1-307) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC128510. SIK3 (QSK) is a serine/threonine-protein kinase, belongs to QIK subfamily. The phosphorylation of SIK3 by LKB1 through the 14-3-3 binding enhances its catalytic activity and leads its localization to punctate structures within the cytoplasm (1). Overexpression of SIK3 promotes G1/S cell cycle progression with ovarian cancer (2). There are two sites (H331L and A1103V) were mutated at significant frequency in breast cancer (3). SIK3 is a novel tumor-associated antigen (TAA).
Product Categories/Family for SIK3 recombinant protein	Protein Kinases ; Cancer ; Ser/Thr Kinases

References	1. Al-Hakim A.K., et.al: 14-3-3 cooperates with LKB1 to regulate the activity and localization of QSK and SIK. J. Cell Sci. 118:5661-5673(2005). 2. Charoenfuprasert S, et.al: Identification of salt-inducible kinase 3 as a novel tumor antigen associated with tumorigenesis of ovarian cancer. Oncogene. 2011 Aug 18;30(33):3570-84. 3. Sjoblom T. et.al: The consensus coding sequences of human breast and colorectal cancers. Science 314:268-274(2006).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119224652
NCBI GeneID	23387
Molecular Weight	62.0 kDa
NCBI Official Full Name	Homo sapiens KIAA0999 protein, mRNA
NCBI Official Synonym Full Names	SIK family kinase 3
NCBI Official Symbol	SIK3
NCBI Official Synonym Symbols	L19; QSK; SEMDK; SIK-3
NCBI Protein Information	serine/threonine-protein kinase SIK3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sik3-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73949>