

STK39 (STLK3) Recombinant Protein | STK39 recombinant protein

STK39 (STLK3), Active

CATALOG # AAA73973	HOST Sf9 insect cells	APPLICATIONS Western Blot
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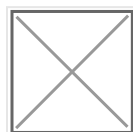
PRODUCT SYNONYMS

STK39 (STLK3); Active; STK39; STLK3; DCHT; DKFZp686K05124; PASK; SPAK; STK39 recombinant protein

PRODUCT SPECIFICATIONS

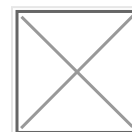
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Applicable Applications for STK39 recombinant protein	WB (Western Blot), Kinase Assay
Tag	HIS
Species	Human
Dry Ice Note	The product may be 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 STK39 recombinant protein	Recombinant full-length human STK39 (STLK3) was expressed using baculovirus in Sf9 insect cells using an N-terminal His tag. The gene accession number is NM_013233. STK39 (also known as serine threonine kinase 39) is involved in the cellular stress response pathway. STK39 is activated in response to hypotonic stress leading to phosphorylation of several cation-chloride-coupled co-transporters. STK39 activates the p38 MAP kinase pathway and its interaction with p38 decreases during cellular stress (1). STK39 acts as an intermediate in the response to cellular stress. STK39 is also an independent risk factor for hypertension in men and its intragenic SNPs can interact and function in the control of blood pressure (2).
Product Categories/Family for STK39 recombinant protein	Protein Kinases ; Cardiovascular Disease ; ERK/MAPK Pathway ; Neurobiology ; PKA/PKC Pathway ; Ser/Thr Kinases
References	1. Johnston, A. M. et.al: SPAK, a STE20/SPS1-related kinase that activates the p38 pathway. Oncogene 19: 4290-4297, 2000. 2. Chen LY. et.al: STK39 is an independent risk factor for male hypertension in Han Chinese. Int J Cardiol, 2010 Oct 1.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_013233
Molecular Weight	~63kDa

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/stk39-stk3-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73973>