

STK3 recombinant protein

STK3, Active

CATALOG # AAA73959	HOST Sf9 insect cells	APPLICATIONS Western Blot
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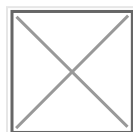
PRODUCT SYNONYMS

STK3; Active; KRS1; MST2; FLJ90748; STK3 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for STK3 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 STK3 recombinant protein	Recombinant full-length human STK3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC010640. STK3, also known as MST2, encodes a protein of 491-amino acid which contains an N-terminal catalytic domain characteristic of STKs (1). STK3 and STK4 share 94% amino acid identity in the catalytic domain and 78% identity overall. RAF1 has been shown to counteract apoptosis by suppressing the activation of mammalian sterile 20-like kinase (MST2). STK3 is a kinase that is activated by the proapoptotic agents staurosporine and FAS ligand (2). STK3 activation presumably allows cells to resist unfavorable environmental conditions.
Product Categories/Family for STK3 recombinant protein	Protein Kinases ; AKT/PKB Pathway ; Apoptosis/Autophagy ; Cancer ; Cardiovascular Disease ; Inflammation ; JNK/SAPK Pathway ; Neurobiology ; Ser/Thr Kinases
References	- Creasy, C L. et al: Cloning and characterization of a member of the MST subfamily of Ste20-like kinases. Gene 167: 303-306, 1995. - Lee, K K. et al: MST, a physiological caspase substrate, highly sensitizes apoptosis both upstream and downstream of caspase activation. J. Biol. Chem. 276: 19276-19285, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34189966
NCBI GeneID	6788
Molecular Weight	59,462 Da
NCBI Official Full Name	Homo sapiens serine/threonine kinase 3 (STE20 homolog, yeast), mRNA
NCBI Official Synonym Full Names	serine/threonine kinase 3
NCBI Official Symbol	STK3
NCBI Official Synonym Symbols	KRS1; MST2
NCBI Protein Information	serine/threonine-protein kinase 3

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/stk3-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73959>