

MST3 recombinant protein

MST3, Active

CATALOG # AAA73970	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

MST3; Active; STK24; MST-3; STK3; MST3B; RP11-111L24.5; MST3 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 MST3 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 MST3 recombinant protein	Recombinant human MST3 (1-311) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_001032296. MST3 or Mammalian Sterile 20-like kinase 3 is a member of the germinal center kinase-III family. MST3 contains a conserved kinase domain at its NH(2)-terminus and a regulatory domain at its COOH-terminus. Caspase-mediated cleavage of the regulatory domain of MST3 activates its intrinsic kinase activity and leads to nuclear translocation. Expression of COOH-terminal truncated MST3 in cells results in DNA fragmentation and induction of apoptosis (1). MST3 can inhibit cell migration in a fashion dependent on autophosphorylation and can regulate paxillin phosphorylation through tyrosine phosphatase PTP-PEST (2).
Product Categories/Family for MST3 recombinant protein	Protein Kinases ; AKT/PKB Pathway ; Apoptosis/Autophagy ; Cancer ; Cardiovascular Disease ; Inflammation ; JNK/SAPK Pathway ; Neurobiology ; Receptor Tyrosine Kinases ; Ser/Thr Kinases
References	- Huang, C Y. et al: Caspase activation of mammalian sterile 20-like kinase 3 (Mst3). Nuclear translocation and induction of apoptosis. J Biol Chem. 2002 Sep 13;277(37):34367-74. - Lu, T J.: Inhibition of Cell Migration by Autophosphorylated Mammalian Sterile 20-Like Kinase 3 (MST3) Involves Paxillin and Protein-tyrosine Phosphatase-PEST. J Biol Chem. 2006 Dec 15;281(50):38405-17.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_001032296
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/mst3-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73970>