

Recombinant Human STK24, GST-tagged, Active

Cat. No. STK24-362H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human MST3 (1-311) was expressed by baculovirus in <i>Sf9</i> insect cells using an N-terminal GST tag. MW = 63 kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	1-311 a.a.
Description	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. MST3 can inhibit cell migration in a fashion dependent on autophosphorylation and can regulate paxillin phosphorylation through tyrosine phosphatase PTP-PEST.
Sequence	1-311.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

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performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	STK24 serine/threonine kinase 24 (STE20 homolog, yeast) [Homo sapiens]
Synonyms	STK24; serine/threonine kinase 24 (STE20 homolog, yeast); MST3; STK3; MST3B; STE20; serine/threonine kinase 24; STE20-like kinase 3; sterile 20-like kinase 3; EC 2.7.11.1; MST-3; OTTHUMP00000018592; OTTHUMP00000018593; Mammalian STE20-like protein kinase 3; serine/threonine kinase 24 (Ste20, yeast homolog); Serine/threonine-protein kinase 24; STE20-like kinase MST3
Gene ID	8428
mRNA Refseq	NM_001032296
Protein Refseq	NP_001027467
MIM	604984
UniProt ID	Q9Y6E0
Chromosome Location	13q31.2-q32.3
Function	ATP binding; nucleotide binding; protein serine/threonine kinase activity; transferase activity

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