

Recombinant Human STK4

Cat. No. STK4-30251TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length MST1 protein (Human), was expressed by baculovirus in Sf9 cells using an N-terminal tag, MW ~83kDa.
Species	Human
Description	The protein encoded by this gene is a cytoplasmic kinase that is structurally similar to the yeast Ste20p kinase, which acts upstream of the stress-induced mitogen-activated protein kinase cascade. The encoded protein can phosphorylate myelin basic protein and undergoes autophosphorylation. A caspase-cleaved fragment of the encoded protein has been shown to be capable of phosphorylating histone H2B. The particular phosphorylation catalyzed by this protein has been correlated with apoptosis, and its possible that this protein induces the chromatin condensation observed in this process.
Tissue specificity	Ubiquitously expressed.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20

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Similarities	subfamily.Contains 1 protein kinase domain.Contains 1 SARAH domain.
Full Length	Full L.
GENE INFORMATION	
Gene Name	STK4 serine/threonine kinase 4 [Homo sapiens]
Official Symbol	STK4
Synonyms	STK4; serine/threonine kinase 4; serine/threonine-protein kinase 4; kinase responsive to stress 2; KRS2; mammalian sterile 20 like 1; MST1; yeast Ste20 like; YSK3;
Gene ID	6789
mRNA Refseq	NM_006282
Protein Refseq	NP_006273
MIM	604965
Uniprot ID	Q13043
Chromosome Location	20q11.2-q13.2
Pathway	MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Non-small cell lung cancer, organism-specific biosystem; Non-small cell lung cancer, conserved biosystem; Pathways in cancer, organism-specific biosystem;
Function	ATP binding; identical protein binding; magnesium ion binding; nucleotide binding;

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