

Active Recombinant Human MST4, GST-tagged

Cat. No. MST4-1433H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human MST4 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	MST4 belongs to a family of proteins that share similarity with a budding yeast serine/threonine kinase, sterile-20 (Ste20), and have a role in mitogen-activated protein kinase signaling during cytoskeletal rearrangement, morphogenesis, apoptosis, and other diverse cellular events. Expression of MST4 has been shown to correlate with tumorigenicity and inversely with androgen receptor status in a number of human prostate cancer cell lines. Overexpression of MST4 induced anchorage-independent growth and increased in vitro proliferation of these prostate cancer cell lines.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Bio-activity	23 nmol/min/mg
Molecular Mass	~72kDa

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Purity	>90%
Applications	Kinase Assay, Western Blot
Storage	Store at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1 $\mu\text{g}/\mu\text{l}$
GENE INFORMATION	
Gene Name	MST4 serine/threonine protein kinase MST4 [Homo sapiens]
Official Symbol	MST4
Synonyms	MST4; serine/threonine protein kinase MST4; serine/threonine-protein kinase MST4; STE20-like kinase MST4; mammalian sterile 20-like 4; Mst3 and SOK1-related kinase; serine/threonine-protein kinase MASK; mammalian Ste20-like protein kinase 4; MASK;
Gene ID	51765
mRNA Refseq	NM_001042452
Protein Refseq	NP_001035917
Pathway	Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; LKB1 signaling events, organism-specific biosystem;
Function	ATP binding; ATP binding; identical protein binding; magnesium ion binding;

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nucleotide binding; protein binding; protein kinase activity; protein kinase activity;
protein serine/threonine kinase activity;

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