

## Recombinant Human MST4, GST-tagged, Active

Cat. No. MST4-363H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human MST4 was expressed by baculovirus in <i>Sf9</i> insect cells using an N-terminal GST tag. MW = 72 kDa.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	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.
<b>Sequence</b>	Full-length.
<b>Applications</b>	Kinase Assay, Western Blot.
<b>Storage And Stability</b>	Store product at -70°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.

### GENE INFORMATION

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<b>Gene Name</b>	RP6-213H19.1 serine/threonine protein kinase MST4 [ Homo sapiens ]
<b>Synonyms</b>	serine/threonine protein kinase MST4; MST4; MASK; 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; EC 2.7.11.1; MST-4
<b>Gene ID</b>	51765
<b>mRNA Refseq</b>	NM_001042452
<b>Protein Refseq</b>	NP_001035917
<b>MIM</b>	300547
<b>UniProt ID</b>	Q9P289
<b>Chromosome Location</b>	Xq26.2
<b>Function</b>	ATP binding; identical protein binding; magnesium ion binding; nucleotide binding; protein serine/threonine kinase activity; transferase activity

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