

Recombinant Human MST4, GST-tagged, Active

Cat. No. MST4-363H **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. MW = 72 kDa.
Species	Human
Source	Sf9 Cells
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.
Sequence	Full-length.
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 performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

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