

Recombinant Human MST1 (N-GST tag)

Cat No:HR2R1765

For research use only

Overview

Quantity	10 ?g
Gene Symbol	MST1
Gene ID	N/A
Accession	NM_006282
Alternative Name	KRS2; YSK3; DKFZp686A2068; STK4
Species	Human
Source	Insect cells
Description	MST1 belongs to a family of proteins that share similarity with a budding yeast serine/threonine kinase, sterile-20 (Ste20). Endogenous full-length MST1 is activated by a variety of stressful stimuli, accompanied by the secondary appearance of a 36 kDa Thr183-phosphorylated, caspase-cleaved catalytic fragment . Recombinant MST1 undergo a robust autoactivation in vitro, mediated by an intramolecular autophosphorylation on the activation loop of an MST dimmer. MST1 can initiate apoptosis when transiently overexpressed in mammalian cells. Interference with the ability of endogenous MST1 to associate with the putative tumor suppressor proteins Nore1/RASSF can inhibit Ras-induced apoptosis .
Functions	The specific activity of MST1 was determined to be 1120 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	83
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	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.