

MST4/STK26 Protein, Human (sf9, GST)

Cat. No.:	HY-P74741
Synonyms:	Serine/threonine-protein kinase 26; MST-4; STK26; MASK
Species:	Human
Source:	Sf9 insect cells
Accession:	Q9P289-1 (M1-P416)
Gene ID:	51765
Molecular Weight:	Approximately 65 kDa

PROPERTIES

Biological Activity	The specific activity was determined to be 15 nmol/min/mg using MBP as substrate.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM PB, 300 mM NaCl, pH 7.0, 25% glycerol, 0.5 mM TCEP, 0.5 mM EDTA, 0.5 mM GSH.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	MST4/STK26, a serine/threonine-protein kinase, functions as a mediator of cell growth and plays a modulatory role in apoptosis. Alongside STK24, it participates in the negative regulation of Golgi reorientation during polarized cell migration triggered by RHO activation. Additionally, MST4/STK26 phosphorylates ATG4B at 'Ser-383,' thereby enhancing autophagic flux. These activities highlight its involvement in diverse cellular processes, including growth regulation, apoptotic modulation, and coordination of cellular migration through Golgi reorientation and autophagy modulation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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