

## MSP/MST1 Protein, Human (Sf9, GST)

Cat. No.:	HY-P701345
Synonyms:	MST1; Hepatocyte growth factor-like protein; Macrophage stimulatory protein; Macrophage-stimulating protein; MSP
Species:	Human
Source:	Sf9 insect cells
Accession:	P26927 (G2-G711)
Gene ID:	4485
Molecular Weight:	

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
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	MSP (Macrophage Stimulating Protein), also known as MST1 (Macrophage Stimulating 1), is a protein composed of an alpha chain and a beta chain connected by a disulfide bond, forming a dimeric structure. This protein is involved in various cellular processes and has been particularly implicated in macrophage activation and migration. The interaction of MSP/MST1 with MST1R, mediated through its beta chain, involves binding to the SEMA domain of MST1R. This interaction likely plays a key role in transducing signals that modulate cellular responses, contributing to the regulation of immune and inflammatory pathways. The dimeric nature of MSP/MST1 suggests a complex and dynamic involvement in cellular signaling processes.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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