

Active Recombinant Human MST1 Protein, Tag Free

Cat. No. MST1-188H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human MST1 Protein (19-711 aa) without tag was expressed in Mouse myeloma cell line.
Species	Human
Source	Mouse myeloma cell line
ProteinLength	19-711 aa
Description	The protein encoded by this gene contains four kringle domains and a serine protease domain, similar to that found in hepatic growth factor. Despite the presence of the serine protease domain, the encoded protein may not have any proteolytic activity. The receptor for this protein is RON tyrosine kinase, which upon activation stimulates ciliary motility of ciliated epithelial lung cells. This protein is secreted and cleaved to form an alpha chain and a beta chain bridged by disulfide bonds.
Form	Disulfide-linked heterodimer
Bio-activity	Measured by its binding ability in a functional ELISA. Recombinant Human MSP/MST1 binds to Recombinant Human MSPR/Ron Protein with an ED50 of 8.00-40.0 ng/mL.
N-terminal Sequence Analysis	No results obtained, Gln19 predicted & Val484

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Molecular Mass	78.5 kDa (MSP alpha / beta); 53.3 kDa (alpha chain), 25.2 kDa (beta chain)
Endotoxin	<1.0 EU/μg of the protein by the LAL method.
Purity	> 97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein.
Shipping	The product is shipped at ambient temperature.
Reconstitution	Reconstitute at 100 μg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.
Reference	1. Wang, M.-H. et al. (2002) Scand. J. Immunol. 56:545. 2. Han, S. et al. (1991) Biochemistry 30:9768. 3. Muraoka, R.S. et al. (1999) Endocrinology 140:187.

GENE INFORMATION

Gene Name	MST1 macrophage stimulating 1 (hepatocyte growth factor-like) [Homo sapiens (human)]
Official Symbol	MST1
Synonyms	MST1; macrophage stimulating 1 (hepatocyte growth factor-like); D3F15S2, DNF15S2, HGFL; hepatocyte growth factor-like protein; hepatocyte growth factor like protein homolog; MSP; NF15S2; macrophage-stimulating protein; hepatocyte growth

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factor-like protein homolog; HGFL; D3F15S2; DNF15S2

Gene ID 4485

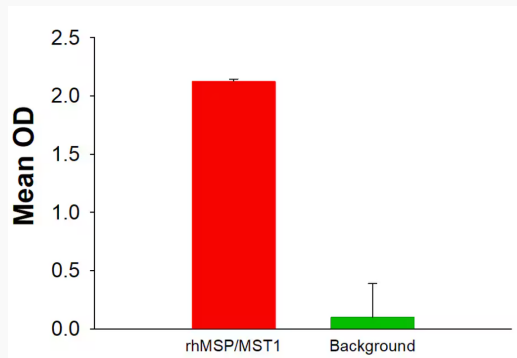
mRNA Refseq NM_020998

Protein Refseq NP_066278

MIM 142408

UniProt ID P26927

Bioactivity



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