

Active Recombinant Human MST1R Protein, GST-tagged

Cat. No. MST1R-5672H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MST1R (NP_002438.1, 979 a.a. - 1400 a.a.) partial recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
ProteinLength	979.-1400. a.a.
Description	This gene encodes a cell surface receptor for macrophage-stimulating protein (MSP) with tyrosine kinase activity. The mature form of this protein is a heterodimer of disulfide-linked alpha and beta subunits, generated by proteolytic cleavage of a single-chain precursor. The beta subunit undergoes tyrosine phosphorylation upon stimulation by MSP. This protein is expressed on the ciliated epithelia of the mucociliary transport apparatus of the lung, and together with MSP, thought to be involved in host defense. Alternative splicing generates multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing. [provided by RefSeq, Jan 2016]
Form	Liquid
Bio-activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000.

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	Substrate: Src tide. ATP: 100 µM.
Molecular Mass	75 kDa
Purity	96 % by SDS-PAGE/CBB staining
Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)

GENE INFORMATION

Gene Name	MST1R macrophage stimulating 1 receptor (c-met-related tyrosine kinase) [Homo sapiens]
Official Symbol	MST1R
Synonyms	MST1R; macrophage stimulating 1 receptor (c-met-related tyrosine kinase); PTK8, PTK8 protein tyrosine kinase 8 , RON; macrophage-stimulating protein receptor; CD136; CDw136; p185-Ron; MSP receptor; RON variant E2E3; MST1R variant RON30; MST1R variant RON62; soluble RON variant 1; soluble RON variant 2; soluble RON variant 3; soluble RON variant 4; c-met-related tyrosine kinase; PTK8 protein tyrosine kinase 8; RON; PTK8;
Gene ID	4486
mRNA Refseq	NM_001244937

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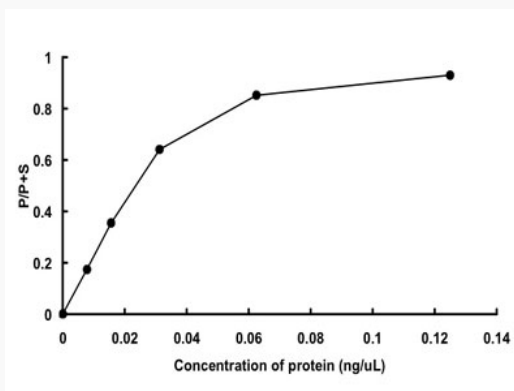
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Protein Refseq NP_001231866

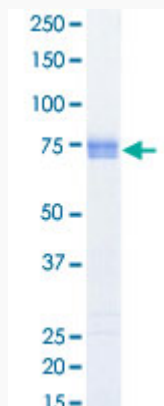
MIM 600168

UniProt ID Q04912

Result of activity analysis



Quality Control Testing:



Loading 1 µg protein in SDS-PAGE

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