



[Go to Product page](#)

Datasheet for ABIN7317528
MST1R Protein (His tag)

Overview

Quantity:	100 µg
Target:	MST1R
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MST1R protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD136/MST1R Protein (His Tag)
Sequence:	Met 1-Leu 571
Characteristics:	A DNA sequence encoding the amino acid sequence (Met 1-Leu 571) of human CD136 (Q04912) extracellular domain was fused with a polyhistidine tag at the C-terminus.
Purity:	> 98 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	MST1R
Alternative Name:	CD136/MST1R (MST1R Products)
Background:	Background: The tyrosine kinase receptor, macrophage-stimulating 1 receptor (MST1R), a c-met-related tyrosine kinase, also known as the Ron receptor or CD136, controls cell survival and motility programs related to invasive growth. As tyrosine kinase receptor comprised of an extra-

Target Details

cellular domain, MST1R protein contains the ligand binding pocket and an intracellular region where the kinase domain is located. MST1R signaling may be involved in the regulation of macrophage and T-lymphocyte activation in vivo during injury. This assessment of gene expression indicates the importance of genetic factors in contributing to lung injury, and points to strategies for intervention in the progression of inflammatory diseases. It had been shown that MST1R/CD136 plays a critical role in Ni-induced lung injury in mice. The overexpression of MSP, MT-SP1, and MST1R was a strong independent indicator of both metastasis and death in human breast cancer patients and significantly increased the accuracy of an existing gene expression signature for poor prognosis. Stimulation of MST1R leads to its transphosphorylation and the ultimate activation of numerous intracellular signaling pathways, such as the classical mitogen-activated protein kinase pathway, the phosphatidylinositol (PI)3-kinase pathway, and the JNK pathway.

Synonym: CD136,CDw136,PTK8,RON

Molecular Weight: 60 kDa

UniProt: [Q04912](#)

Pathways: [RTK Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.