

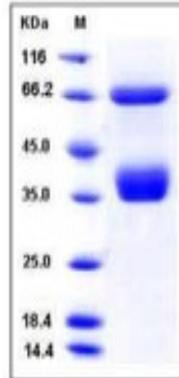
MST1R

Recombinant Human CD136 / MSP Receptor (His Tag)

Catalog No.	CRH641A-His CRH641B-His	Quantity:	50 µg 100 µg
Alternate Names:	Macrophage-stimulating protein receptor, MSP receptor, CDw136, Protein-tyrosine kinase 8, p185-Ron, CD136		
Description:	MST1R is a c-met-related tyrosine kinase that controls cell survival and motility programs related to invasive growth. As a tyrosine kinase receptor comprised of an extra-cellular domain, the MST1R protein contains the ligand binding pocket and an intracellular region where the kinase domain is located. 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. 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.		
UniProt ID:	Q04912		
Protein Construction:	A DNA sequence encoding the amino acid sequence (Met 1-Leu 571) of human CD136 extracellular domain was fused with a polyhistidine tag at the C-terminus.		
Source:	HEK293 Cells		
Formulation:	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The secreted rhCD136 consists of 558 aa, including the α chain (Glu 25-Arg 309) and the polyhistidine-tagged β chain (Gly 310-Leu 517), with a predicted MW of 60 kDa. (30+30 kDa). As a result of glycosylation, in SDS-PAGE under reducing conditions, rhCD136 migrates at ~70 kDa and ~37 kDa, corresponding to the single chain and the cleaved two subunits, respectively.		
Purity:	> 98 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method		
Biological Activity:	Testing in progress		
Predicted N-terminal:	Glu 25 & Gly 310		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		



SDS-PAGE



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Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com