

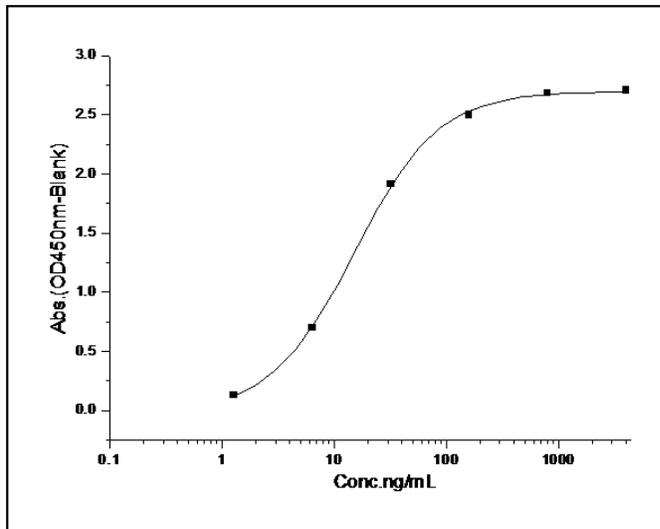
## Met

### Recombinant Mouse c-MET / HGF Receptor (Fc Tag)

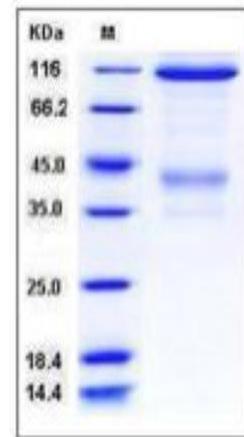
<b>Catalog No.</b>	CRM663A-Fc CRM663B-Fc	<b>Quantity:</b>	100 µg 200 µg
<b>Alternate Names:</b>	Hepatocyte growth factor receptor, HGF receptor, HGF/SF receptor, Proto-oncogene c-Met, Scatter factor receptor, SF receptor, Tyrosine-protein kinase Met		
<b>Description:</b>	Hepatocyte growth factor receptor (HGFR) is a receptor tyrosine kinase (RTK) that is normally expressed by cells of epithelial origin and has been shown to be overexpressed and/or mutated in a variety of malignancies. HGFR protein is produced as a single-chain precursor, and HGF is the only known ligand. Normal HGF/HGFR signaling is essential for embryonic development, tissue repair or wound healing, whereas aberrantly active HGFR has been strongly implicated in tumorigenesis, particularly in the development of invasive and metastatic phenotypes. Preclinical studies suggest that targeting aberrant HGFR signaling has potential for treatment of cancer.		
<b>UniProt ID:</b>	P16056		
<b>Accession Number:</b>	NP_032617.2		
<b>Protein Construction:</b>	A DNA sequence encoding the mouse MET extracellular domain (Met 1-Asn 929) was fused with the Fc region of human IgG1 at the C-terminus.		
<b>Source:</b>	HEK293 Cells		
<b>Formulation:</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
<b>Molecular Weight:</b>	The rmHGFR/Fc chimera is a disulfide-linked homodimer of the Met which is a heterodimer composed of the proteolytically cleaved $\alpha$ and $\beta$ subunits. Each $\alpha$ and $\beta$ together with the C-terminal Fc tag consists of 1146 aa with a predicted MW of 128 ( $\alpha$ =32 + Fc tagged $\beta$ =96) kDa. The rmHGFR/Fc heterodimer migrates at ~43 kDa and ~115-120 kDa respectively in SDS-PAGE under reducing conditions due to glycosylation.		
<b>Purity:</b>	> 92 % as determined by SDS-PAGE.		
<b>Endotoxin Level:</b>	< 1.0 EU per µg of the protein as determined by the LAL method		
<b>Biological Activity:</b>	In a functional ELISA, immobilized human HGF at 2 µg/ml (100 µl/well) can bind mouse HGFR with a linear ranger of 1.28-32ng/ml.		
<b>Predicted N-terminal:</b>	Glu 25 & Ser 307		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> 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. <b>DO NOT VORTEX.</b> 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.**

Measured by its binding ability in a functional ELISA.  
Immobilized human HGF at 2 µg/ml (100 µl/well) can  
bind mouse HGFR with a linear ranger of 1.28-32ng/ml.



SDS-PAGE



**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



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