



[Go to Product page](#)

## Datasheet for ABIN7318575 c-MET Protein (Fc Tag)

### Overview

Quantity:	50 µg
Target:	c-MET (MET)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This c-MET protein is labelled with Fc Tag.

### Product Details

Purpose:	Recombinant Human HGFR/c-MET Protein (Fc Tag)(Active)
Sequence:	Glu25-Thr932
Characteristics:	Recombinant Human Hepatocyte Growth Factor Receptor is produced by our Mammalian expression system and the target gene encoding Glu25-Thr932 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized HGF R-Fc at 2µg/ml(100 µl/well) can bind Human HGF-His(Cat: PKSH032538). The ED50 of HGF R-Fc is 0.82 ug/mL

### Target Details

Target:	c-MET (MET)
---------	-------------

## Target Details

---

Alternative Name: [HGFR/c-MET \(MET Products\)](#)

---

Background: Hepatocyte growth factor receptor (HGF R) is a glycosylated receptor tyrosine kinase that plays a central role in epithelial morphogenesis and cancer development. HGF R is synthesized as a single chain precursor which undergoes cotranslational proteolytic cleavage. Mature HGF R is a disulfide-linked dimer composed of a 50 kDa extracellular  $\alpha$  chain and a 145 kDa transmembrane  $\beta$  chain. Proteolysis and alternate splicing generate additional forms of human HGF R which either lack of the kinase domain, consist of secreted extracellular domains, or are deficient in proteolytic separation of the  $\alpha$  and  $\beta$  chains. The sema domain, which is formed by both  $\alpha$  and  $\beta$  chains of HGF R, mediates both ligand binding and receptor dimerization. HGF stimulation induces HGF R downregulation via internalization and proteasomedependent degradation. Paracrine induction of epithelial cell scattering and branching tubulogenesis results from the stimulation of HGF R on undifferentiated epithelium by HGF released from neighboring mesenchymal cells.

Synonym: Hepatocyte growth factor receptor, HGF receptor, HGF/SF receptor, Proto-oncogene c-Met, Scatter factor receptor, SF receptor, Tyrosine-protein kinase Met, MET

---

Molecular Weight: 128.4 kDa

---

UniProt: [P08581](#)

---

Pathways: [RTK Signaling](#), [Carbohydrate Homeostasis](#), [Synaptic Membrane](#), [Signaling of Hepatocyte Growth Factor Receptor](#)

---

## Application Details

---

Restrictions: For Research Use only

---

## Handling

---

Format: Lyophilized

---

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

---

Buffer: Lyophilized from a 0.2  $\mu$ m filtered solution of 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.