

# Recombinant Human HGF R/c-MET Protein

Catalog No.: RP00416 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	4233	P08581-1

### Tags

C-His&amp;Avi

### Synonyms

MET; oncogene MET; HGF R; HGF/SF receptor; AUTS9; cMET; Met (c-Met); RCCP2; SF receptor

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE > 95% by HPLC

### Endotoxin

&lt; 1 EU/μg of the protein by LAL method

### Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

c-Met, also called tyrosine-protein kinase Met or hepatocyte growth factor receptor (HGFR), is a protein that in humans is encoded by the MET gene. The protein possesses tyrosine kinase activity. The primary single chain precursor protein is post-translationally cleaved to produce the alpha and beta subunits, which are disulfide linked to form the mature receptor. Following activation by ligand, interacts with the PI3-kinase subunit PIK3R1, PLCG1, SRC, GRB2, STAT3 or the adapter GAB1.

## Basic Information

### Description

Recombinant Human HGF R/c-MET Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu25-Thr932) of Human HGF R/c-MET (Accession #P08581-1) fused with a C-His&amp;Avi tag at the C-terminus.

### Bio-Activity

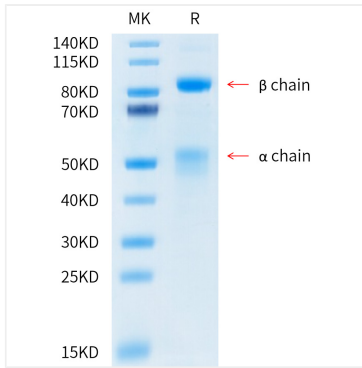
#### Storage

Store the lyophilized protein at -20°C to -80°C for 12 months.

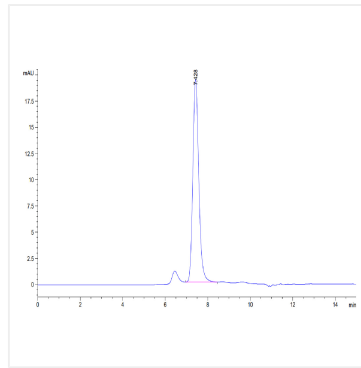
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

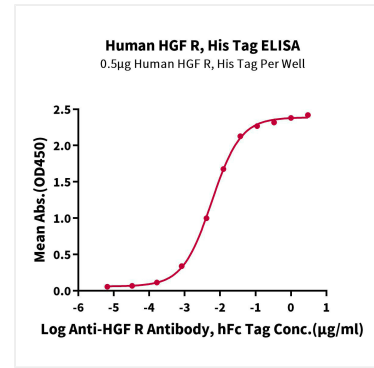
## Validation Data



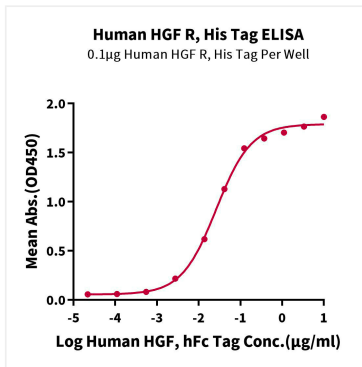
Human HGF R on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Human HGF R is greater than 95% as determined by SEC-HPLC.



Immobilized Human HGF R, His Tag at 5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-HGF R Antibody, hFc Tag with the  $EC_{50}$  of 5.8 ng/mL determined by ELISA.



Immobilized Human HGF R, His Tag at 1 µg/mL (100 µL/Well). Dose response curve for Human HGF, hFc Tag with the  $EC_{50}$  of 26.3 ng/mL determined by ELISA (QC test).