

# Human c-Met/HGFR (His Tag) recombinant protein



Catalog Number: 504042

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain of human c-Met (NP\_000236) (Met 1-Thr 932) was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant human HGF at 10 µg/ml (100 µl/well) can bind biotinylated c-Met. The EC<sub>50</sub> of biotinylated c-Met is 5.28 µg/ml.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Glu 25

### Molecular Mass

The mature form of recombinant human c-Met is a disulfide-linked heterodimer composed of

proteolytically cleaved  $\alpha$  and  $\beta$  subunits. Each  $\alpha$  and  $\beta$  subunit together consists of 919 amino acids and has a predicted molecular mass of 103 ( $\alpha=33 + \beta=70$ ) kDa. As a result of glycosylation, rh c-MET heterodimer thus migrates with apparent molecular mass of approximately 45 kDa and 85 kDa respectively in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

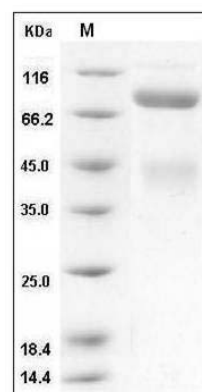
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human c-MET / HGFR Protein (His Tag) SDS-PAGE