

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



Catalog Number: 503751

## General Information

### Gene Name Synonym:

### Protein Construction:

A DNA sequence encoding the extracellular domain (Met 1-Thr 932) of human c-Met (NP\_000236) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

**Source:** Human

**Expression Host:** Human Cells

## QC Testing

### Activity:

Measured by its binding ability in a functional ELISA. Immobilized recombinant human HGF at 1  $\mu\text{g/ml}$  (100ul/well) can bind Human c-MET / HGFR with a linear range of 0.31-160ng/ml. Scatchard analysis showed the affinity constant (Kd) of human HGF bound to human c-MET / HGFR was 0.52 nM.

### Purity:

> 95 % as determined by SDS-PAGE

### Endotoxin:

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability:

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal:

Glu 25

### Molecular Mass:

The mature recombinant human c-Met/Fc is a disulfide-linked tetramer composed of two proteolytically cleaved  $\alpha$  and  $\beta$  subunits. Each  $\alpha$  and  $\beta$  together with the C-terminal Fc tag consists of 1155 amino acids and has a predicted molecular mass of 129.5 ( $\alpha = 32.5 + \text{Fc tagged } \beta = 97$ ) kDa. The rh c-MET/Fc heterodimer thus migrates with apparent molecular mass of approximately 45 kDa and 120 kDa respectively in SDS-PAGE under reducing conditions due to glycosylation.

### 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

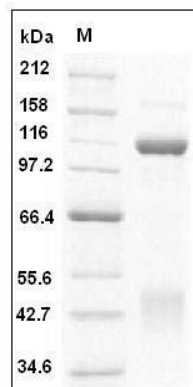
### Storage:

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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:



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SDS-PAGE