

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



Catalog Number: 500965

## General Information

### Gene Name Synonym

HGF/SF receptor; Proto-oncogene c-Met; Scatter factor receptor; Tyrosine-protein kinase Met

### Protein Construction

A DNA sequence encoding the extracellular domain of canine MET (NP\_001002963.1) (Met 1-Leu 935) was expressed, with a polyhistidine tag at the N-terminus.

### Organism

Canine

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized human HGF (Cat:502454) at 10 µg/mL (100 µl/well) can bind canine c-MET (Cat:500965), The EC<sub>50</sub> of canine c-MET (Cat:500965) is 7 ng/mL.
3. Immobilized canine MET-His at 10 µg/ml (100 µl/well) can bind biotinylated human HGF-His (Cat:10463-H08H), The EC<sub>50</sub> of biotinylated human HGF-His (Cat:10463-H08H) is 0.11-0.25 µg/ml.

### Purity

> 95 % 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 recombinant canine c-Met is a disulfide-linked heterodimer composed of proteolytically cleaved ? and ? subunits. Each ? and ? subunit together consists of 922 amino acids and has a predicted molecular mass of 103 (? =33 + ? =70) kDa. As a result of glycosylation, the apparent molecular mass of the canine c-Met is approximately 42-47 kDa and 85-95 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

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