

# Cynomolgus HGF / Hepatocyte Growth Factor recombinant protein



Catalog Number: 503008

## General Information

### Gene Name Synonym

Hepatopoietin-A; Scatter factor

### Protein Construction

A DNA sequence encoding the cynomolgus HGF (C9E9X5) (Met1-Ser728) was expressed.

### Organism

Cynomolgus

### Expression Host

Human Cells

## QC Testing

### Activity

1. Immobilized Cynomolgus HGF at 10 µg/ml (100 µl/well) can bind Cynomolgus MET-Fc (cat:502885), EC<sub>50</sub> of Cynomolgus MET-Fc (cat:502885) is 0.04-0.09 µg/ml.
2. Measured by its ability to inhibit TGFβ1 activity on Mv-1-lu mink lung epithelial cells. The ED<sub>50</sub> for this effect is typically 2-10 ng/ml.

### Purity

(49.5+35.5+6.4+7.1) % 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

His 32

### Molecular Mass

The recombinant cyno HGF consists of 697 amino acids and has a calculated molecular mass of 79.6 KDa. It migrates as 89,58,34 and 32 KDa band 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

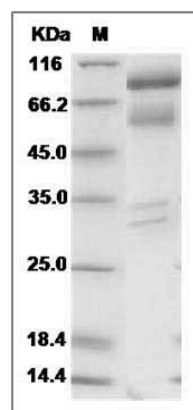
### Storage

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



Cynomolgus HGF / Hepatocyte Growth Factor Protein SDS-PAGE