

Rat HGF / Hepatocyte Growth Factor recombinant protein



Catalog Number: 504728

General Information

Protein Construction

A DNA sequence encoding the rat HGF (Met1-Leu728) was expressed and purified.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to neutralize TGF-beta mediated inhibition on Mv-1-Lu cell proliferation. The ED₅₀ for this effect is typically 0.2-1 ng/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

Gln 33

Molecular Mass

The recombinant rat HGF consists of 698 amino

acids and has a predicted molecular mass of 79.5 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 92 kDa 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

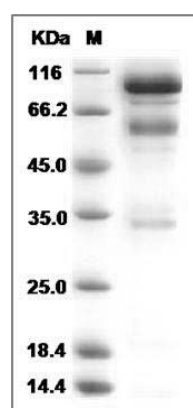
Storage

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



Rat HGF / Hepatocyte Growth Factor Protein SDS-PAGE