

Mouse HGF / Hepatocyte Growth Factor (His Tag) recombinant protein



Catalog Number: 503003

General Information

Gene Name Synonym

Hepatopoietin-A; Scatter factor; Hepatocyte growth factor alpha chain; Hepatocyte growth factor beta chain

Protein Construction

A DNA sequence encoding the mouse HGF (Q08048-1) (Met1-Leu728) was expressed with a C-terminal polyhistidine tag.

Organism

Mouse

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 1-8 ng/mL.

Purity

> 70 % 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 mouse HGF comprises 707 amino acids and has a predicted molecular mass of 80.8 kDa. The apparent molecular mass of the protein is approximately 92 kDa 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

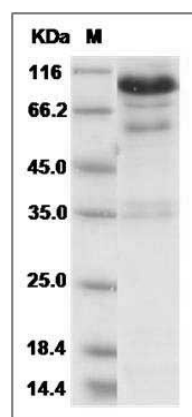
Storage

Store it under sterile conditions at -20°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



Mouse HGF / Hepatocyte Growth Factor Protein (His Tag) SDS-PAGE