

Recombinant Mouse HGF (C-6His)

Catalog # EPT121

Expression Host Human Cells

DESCRIPTION Recombinant Mouse Hepatocyte Growth Factor is

produced by our Mammalian expression system and

the target gene encoding Gln33-Leu728 is expressed

with a 6His tag at the C-terminus.

Accession Q08048

Synonyms Hepatopoietin-A; Scatter factor; SF; deafness;

autosomal recessive 39; DFNB39; F-TCF; hepatocyte

growth factor

Mol Mass 53.5&26.9 KDa

AP Mol Mass 32-38&51-59 KDa, reducing conditions

Purity Greater than 95% as determined by reducing

SDS-PAGE.

Endotoxin Less than 0.001 ng/μg (0.01 EU/μg) as determined by

LAL test.

FORMULATION Lyophilized from a 0.2 µm filtered solution of PBS, pH

7.4.



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RECONSTITUTION

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Lyophilized protein should be stored at < -20 $^{\circ}$ C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

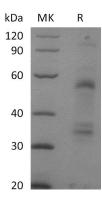
BACKGROUND

HGF, is a pleiotropic protein in the Plasminogen subfamily of S1 peptidases. Mouse HGF is secreted as an inactive 728 amino acid (aa) single chain propeptide. It is cleaved after the fourth Kringle domain by a serine protease to form bioactive disulfide-linked HGF with a 60 kDa alpha and 30 kDa





beta chain. HGF binds heparan-sulfate proteoglycans and the widely expressed receptor tyrosine kinase, HGF R/c-MET. HGF regulates epithelial morphogenesis by inducing cell scattering and branching tubulogenesis. epithelium lt can also alter morphology by the induction of nectin - 1 ectodomain shedding, an adhesion protein alpha component of adherens junctions.



SDS-PAGE

