

Recombinant Mouse HGF Protein (His Tag)

Catalog No. PKSM041332

Note: Centrifuge before opening to ensure complete recovery of vial contents.

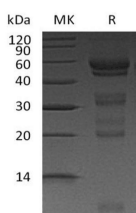
Description

Synonyms	Hepatopoietin-A, Scatter factor, SF, Deafnes, Autosomal recessive 39, DFNB39, F-TCF, Hepatocyte growth factor
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Gln33-Leu728
Accession	Q08048
Calculated Molecular Weight	53.5 & 26.9 kDa
Observed molecular weight	60 kDa
Tag	C-His
Bioactivity	Testing in progress

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

HGF, is a pleiotropic protein in the Plasminogen subfamily of S1 peptidases. Mouse HGF is secreted as an inactive 728

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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. It can also alter epithelium morphology by the induction of nectin-1 alpha ectodomain shedding, an adhesion protein component of adherens junctions.