



Product Datasheet

Product Name	Recombinant Human Hepatocyte Growth Factor
Cata No	CB500146
Source	Insect cells
Synonyms	Scatter Factor (SF), Hepatopoietin (HPTA), HGF, HGFB, F-TCF.

Description

Hepatocyte Growth Factor (HGF) is a multifunctional growth factor which regulates both cell growth and cell motility. It exerts a strong mitogenic effect on hepatocytes and primary epithelial cells. HGF synergizes with Interleukin-3 and GM-CSF to stimulate colony formation of hematopoietic progenitor cells in vitro and may, therefore, also modulate hematopoiesis. Hepatocyte Growth Factor Human Recombinant produced in Baculovirus is a heterodimer, non-glycosylated, polypeptide chain consisting of an α -chain of 463 amino acids and a β -chain of 234 having a total molecular mass of 78.0 KDa. The HGF is purified by proprietary chromatographic techniques.

Purity

Greater than 90.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Specific Activity

The activity was assayed for scattering activity in the MDCK cell assay. The ED50 for this effect is typically at 0.5-1.0 ng/ml.

Storage

Lyophilized Hepatocyte Growth Factor although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution HGF should be stored at 4°C between 2-7 days and for future use below -18°C .

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles

Formulation

The sterile protein powder (1 mg/ml) is lyophilized from a solution containing 50mM Acetic Acid. It is recommended to reconstitute the lyophilized Hepatocyte Growth Factor in sterile $18\text{M}\Omega\text{-cm H}_2\text{O}$ not less than $100\mu\text{g/ml}$, which can then be further diluted to other aqueous solutions.

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