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Certificate of Analysis and Data Sheet

Recombinant Human Hepatocyte Growth Factor A Chain

Catalog No.
228-10705

Source
E. Coli

Synonyms

Scatter Factor, SF, Hepatopoietin, HPTA, HGF, HGFB, F-TCF, DFNB39, Hepatocyte growth factor, Hepatopoeitin-A, Hepatocyte growth factor alpha chain.

Introduction:

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. HGF is secreted as a single inactive polypeptide which is cleaved by serine proteases into a 69kDa Alpha chain and 34kDa Beta chain. A disulfide bond linking the alpha and beta chains produces the active, heterodimeric molecule.

Description

HGF-A Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 463 amino acids fragment (32-494) having a total molecular weight of 57.8kDa. The HGF-A is fused with a 4.5kDa amino-terminal hexahistidine tag.

The HGF-A is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Formulation

HGF-A protein is supplied in 1xPBS, 50% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks.

Store, frozen at -20°C for longer periods of time.

Please avoid freeze thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**