
Product Data Sheet

Product Name: HGF A Human
 Cat. No.: GP20374
 Batch No.: 1

Product Data

Purity >98%

Source

Physical Appearance solid

Shipping Condition

Synonyms Scatter Factor; SF; Hepatopoietin; HPTA; HGF; HGFB; F-TCF; DFNB39; Hepatocyte growth factor; Hepatopoietin-A; Hepatocyte grow

Amino Acid Sequence QRRRNTIHEFKKSAKTTLIKIDPALKIKTKKVNTADQCANRCTRNGLPFTCKAFVFDKARKQCLWFPFNSMSSGVKKEFGHEFDLYENKDYIRNCIIGKC

Formulation HGF-A protein is supplied in 25mM Na. Acetate pH4.8, 1mM EDTA and 50% glycerol.

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.

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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