
Product Data Sheet

Product Name: HGF Human
Cat. No.: GP20372
Batch No.: 1

Product Data

Purity	>98%	Source
Physical Appearance	solid	Shipping C

Synonyms Scatter Factor (SF); Hepatopoietin (HPTA); HGF; HGFB; F-TCF.

Amino Acid Sequence QRKRRNTIHEFKSAKTTLIKIDPALKIKTKKVNTADQCANRCTRNKGLPFTCKAFVFDKARKQCLWFPFNSMSSGVKKEFGHEFDLYENKDYIRNCIIGKC

Solubility It is recommended to reconstitute the lyophilized Epidermal Growth Factor in sterile 18MQ-cm H₂O not less than 100µg/ml, which c
Formulation Lyophilized after extensive dialysis against PBS.

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.

Biological Activity

ED₅₀ < 10.0 ng/ml, measured in a cell proliferation assay using 4MBr5 cells, corresponding to a specific activity of > 1.0 × 10⁵ U/mg.

Stability

Upon receiving, this product remains stable for 6 months at lower than -70°C. Upon reconstitution, the product should be stable for 1 week at 4°C or for 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Background

Hepatocyte Growth Factor Human Recombinant produced in Baculovirus is a heterodimer, non-glycosylated, polypeptide chain containing 692 a.a and having a total molecular mass of 78.0 KDa. The HGF is purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA