
Product Data Sheet

Product Name: HGF Human, CHO

Cat. No.: GP20371

Batch No.: 1

Product Data

Purity	>98%	Source	CHO
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	HGF; DFNB39; F-TCF; HGFB; HPTA; SF; hepatocyte growth factor		
Formulation	Lyophilized after extensive dialysis against PBS.		

Introduction

Hepatocyte Growth Factor (HGF), also known as hepatopoietin-A and scatter factor, is a pleiotropic mitogen belonging to the peptidase S1 family (plasminogen subfamily). It is produced by mesenchymal cells and acts on epithelial cells, endothelial cells and haemopoietic progenitor cells. HGF binds to the proto-oncogenic c-Met receptor to activate a tyrosine kinase signaling cascade. It regulates cell growth, motility and morphogenesis, thus it plays a pivotal role in angiogenesis, tumorigenesis and tissue regeneration.

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 units/mg.

Stability

Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 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

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