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HGF Human, CHO

Hepatocyte Growth Factor Human Recombinant, CHO
GRF0156

Product Overview

Name	HGF Human, CHO
Description	
Hepatocyte Growth Factor Human Recombinant, CHO	
Accession (Primary)	P14210
Synonyms	
Scatter Factor (SF), Hepatopoietin (HPTA), HGF.	
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.	
Source	
Chinese Hamster Ovarian Cells.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein was lyophilized from a concentrated (1.4mg/ml) solution containing Phosphate-Buffered Saline with 0.02% Tween 80, pH 7.4.	
Stability	
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.	
Purity	
Greater than 97.0% as determined by SDS-PAGE.	
Amino acid sequence	
Agrees with the sequence of native human HGF.	
Biological Activity	
The ED 50 , calculated by the dose-dependant proliferation of monkey 4MBr-5 indicator cells was found to be 20-40	

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ng/ml.

Solubility

It is recommended to reconstitute the lyophilized Hepatocyte Growth Factor in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

HGF Human, CHO is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P14210)