

32-1301: HGF CHO Recombinant Protein

Alternative Name : Scatter Factor (SF),Hepatopoietin (HPTA),HGF.

Description

Source : Chinese Hamster Ovary Cells. Hepatocyte Growth Factor Human Recombinant produced in CHO is a heterodimer, non-glycosylated, polypeptide chain consisting an a-chain of 463 amino acids and b-chain of 234 having a total molecular mass of 75kDa. The HGF is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The protein was lyophilized from a concentrated solution containing Phosphate-Buffered Saline with 0.02% Tween 80, pH 7.4.
Storage condition :	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.

Application Note

It is recommended to reconstitute the lyophilized Hepatocyte Growth Factor in sterile 18M Ω -cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. The ED₅₀, calculated by the dose-dependant proliferation of monkey 4MBR-5 indicator cells was found to be 20-40 ng/ml.

