

Hepatocyte Growth Factor Human Recombinant, CHO

Item Number	rAP-2296
Synonyms	Scatter Factor (SF), Hepatopoietin (HPTA), HGF.
Description	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 approximately 75kDa. The HGF is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P14210
Amino Acid Sequence	
Source	Chinese Hamster Ovarian Cells.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The protein was lyophilized from a concentrated (292µg/ml) solution containing Phosphate-Buffered Saline with 0.02% Tween 80, pH 7.4. Greater than 97.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Hepatocyte Growth Factor in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ , calculated by the dose-dependant proliferation of monkey 4MBr-5 indicator cells was found to be 20-40 ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**