

# Human HGF Recombinant Protein



RPPB0370

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## Product Information    Protein Information

**Product SKU:**

RPPB0370

**Accession:**

P14210

**Host:**

Chinese Hamster  
Ovarian Cells.

**Protein 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.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Scatter Factor (SF), Hepatopoietin (HPTA), HGF.

**Formulation:**

The protein was lyophilized from a concentrated (292µg/ml) solution containing Phosphate-Buffered Saline with 0.02% Tween 80, pH 7.4.

**Purity:**

Greater than 97.0% as determined by SDS-PAGE.

**Solubility:**

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

**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.

**Biological Activity:**

The ED<sub>50</sub>, calculated by the dose-dependant proliferation of monkey 4MBr-5 indicator cells was found to be 20-40 ng/ml.