



Recombinant Human HGF

Datasheet

Catalog Number: PR27050

Product Type: Recombinant Protein

Source: Baculovirus Infected High-5 cells.

Amino Acid Sequence: Agrees with the sequence of native human HGF.

Description: Hepatocyte Growth Factor Human Recombinant produced in Baculovirus is a heterodimer, non-glycosylated, polypeptide chain consisting an α -chain of 463 amino acids and α -chain of 234 having a total molecular mass of 80017 Dalton. The HGF is purified by proprietary chromatographic techniques.

Protein Content: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm using the absorbency value of 1.83 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).
2. Analysis by RP-HPLC, using a standard solution of HGF as a Reference Standard.

Biological Activity: The ED₅₀ calculated by the dose-dependant proliferation of monkey 4MBr-5 indicator cells was found to be 20-40 ng/ml.

Purity: Greater than 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Format: The protein was lyophilized from a concentrated (1mg/ml) solution containing Phosphate-Buffered Saline pH= 7.4 containing 0.05% Tween 20.

Reconstitution: It is recommended to reconstitute the lyophilized Hepatocyte Growth Factor in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Storage: 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 avoid freeze-thaw cycles.

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