

Hepatocyte Growth Factor Active Protein | HGF active protein

Recombinant Human Hepatocyte Growth Factor CHO

CATALOG #
AAA76541

REACTIVITY
Human

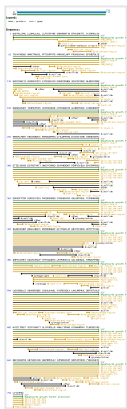
PRODUCT SYNONYMS

Hepatocyte Growth Factor; Recombinant Human Hepatocyte Growth Factor CHO; HGF active protein

PRODUCT SPECIFICATIONS

Reactivity	Human
Purity/Purification	Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The protein was lyophilized from a concentrated (1mg/ml) solution containing Phosphate-Buffered Saline pH= 7.4 containing 0.05% Tween 20.
Sequence Length	6
Source	Chinese Hamster Ovary Cell
Amino Acid Sequence	Agrees with the sequence of native human HGF.
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 calibrated solution of HGF as a Reference Standard
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.
Reconstitution	It is recommended to reconstitute the lyophilized Hepatocyte Growth Factor in sterile 18(mu)(omega)-cm H ₂ O not less than 100ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and 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).

IMAGES



Application Data
Image: HGF Structure and Sequence.

ADDITIONAL INFORMATION

Related Product Information for HGF active protein	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 Categories/Family for HGF active protein	Proteins; Growth/Differentiation Factors and Small Molecules; Hepatocyte Growth Factors; HGF CHO

NCBI AND UNIPROT INFORMATION

NCBI GI #	237997
NCBI Official Full Name	hepatocyte growth factor, partial

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hgf-human-active-protein/hepatocyte-growth-factor/76541>