

HGF Human

Description: Hepatocyte Growth Factor Human Recombinant produced in Baculovirus is a heterodimer, non-glycosylated, polypeptide chain containing 692 a.a and having a total molecular mass of 78.0 KDa. The HGF is purified by proprietary chromatographic techniques.

Catalog #: CYP5-251

For research use only.

Synonyms: Scatter Factor (SF), Hepatopoietin (HPTA), HGF, HGFB, F-TCF.

Source: Insect cells.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence:

QRKRRNTIHEFKSAKTTLIKIDPALKIKTKKVNTADQCANRCTRNGKLPFTCKAFVFDKARKQCL
WFPFNSMSSGVKKEFGHEFDLYENKDYIRNCIIGKGRSYKGTVSITKSGIKCQPWSSMIPHEHSY
RGKDLQENYCRNPRGEEGGPWCFTSNPEVRYEVCDDIPQCSEVECMTNCGESYRGLMDHTESG
KICQRWDHQTPHRHKFLPERYPDKGFDDNYCRNPDGQPRPWCYTLDPHTRWEYCAIKTCADN

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The sterile protein powder (1 mg/ml) is lyophilized from a solution containing 50mM acetic acid.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized Hepatocyte Growth Factor in 50mM acetic acid to a concentration not less than 100

Introduction:

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.

Biological Activity:

The activity was assayed for scattering activity in the MDCK cell assay. The ED50 for this effect is typically at 1.0-5.0 ng/ml (200,000-1,000,000 IU/mg).

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