9051 Mira Mesa Blvd, #910094
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HGF Human

Hepatocyte Growth Factor Human Recombinant
GRF0155

Product Overview

Name	HGF Human
Description	
Hepatocyte Growth Factor Human Recombinant	
Accession (Primary)	P14210
Synonyms	
Scatter Factor (SF), Hepatopoietin (HPTA), HGF, HGFB, F-TCF.	
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.	
Source	
Insect cells.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
QRKRRNTIHEFKKSAKTTLIKIDPALKIKTKKVNTADQCANRCTRNKGLPFTCK AFVFDKARKQCLWFPFNSMSSGVKKEFGHEFDLYENKDYIRNCIIGKGRSYKGT VSITKSGIKCQPWSSMIPHEHSYRGKDLQENYCRNPRGEEGGPWCFTSNPEVRY EVCDIPQCSEVECMTCNGESYRGLMDHTESGKICQRWDHQTPHRHKFLPERYPD	

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KGFDDNYCRNPDGQPRPWCYTLDPHTRWEYCAIKTCADNTMNDTDVPLETTECI
QGQGEGYRGTVNTIWNGIPCQRWDSQYPHEHDMTPENFKCKDLRENYCRNPDGS
ESPWCFTTDPNIRVGYCSQIPNCDMSHGQDCYRGNGKNYMGNLSQTRSGLTCSM
WDKNMEDLHRHIFWEPDASKLNENYCRNPDDDAHGPWCYTGNPLIPWDYCPISR
CEGDTTPTIVNLDHPVISCAKTKQLRVVNGIPTRTNIGWMVSLRYRNKHICGGS
LIKESWVLTARQCFPSRDLKDYEAWLGIHDVHGRGDEKCKQVLNVSQLVYGPEG
SDLVLMKLARPAVLDDFVSTIDLPNYGCTIPEKTSCSVYGWGYTGLINYDGLLR
VAHLYIMGNEKCSQHHRGKVTLNESEICAGAEKIGSGPCEGDYGGPLVCEQHKM
RMVLGVIVPGRGCAIPNRPGIFVRVAYYAKWIHKIILTYKVPQS.

Biological Activity

The activity was assayed for scattering activity in the MDCK cell assay. The ED 50 for this effect is typically at 2.0-5.0 ng/ml.

Solubility

It is recommended to reconstitute the lyophilized Hepatocyte Growth Factor in 50mM acetic acid to a concentration not less than 100 µg/ml. Further dilutions should be made using buffer containing protein.

Precautions

HGF Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P14210)