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HGF Human, HEK

Hepatocyte Growth Factor Human Recombinant, HEK
GRF0157

Product Overview

Name	HGF Human, HEK
Description	
Hepatocyte Growth Factor Human Recombinant, HEK	
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	
HEK.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The HGF was lyophilized from a solution (1mg/ml) containing 10mM Sodium phosphate, 150mM NaCl, 0.01% Tween 80 and 100mM L-Arginine, pH 6.5.	
Stability	
Lyophilized HGF 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 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
32-QRKRRNTIHE FKKSAKTTLI KIDPALKIKT KKVNTADQCA NRCTRNKGLP FTCKAFVFDK ARKQCLWFPF NSMSSGVKKE FGHEFDLYEN KDYIRNCIIG KGRSYKGTVS ITKSGIKCQP WSSMIPHEHS FLPSSYRGKD LQENYCRNPR GEEGGPWCFT SNPEVRYEVC DIPQCSEVEC MTCNGESYRG LMDHTESGKI CQRWDHQTPH	

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RHKFLPERYP DKGFDDNYCR NPDGQPRPWC YTLDPHTRWE YCAIKTCADN TMNDTDVPLE TTECIQGQGE GYRGTVNTIW NGIPCQRWDS QYPHEHDMTP ENFKCKDLRE NYCRNPDGSE SPWCFTTDPN IRVGYCSQIP NCDMSHGQDC YRGNGKNYMG NLSQTRSGLT CSMWDKNMED LHRHIFWEPD ASKLNENYCR NPDDDAHGPW CYTGNPLIPW DYCPISRCEG DTTPTIVNLD HPVISCAKTK QLRVVNGIPT RTNIGWMVSL RYRNKHICGG SLIKESWVLT ARQCFPSRDL KDYEAWLGIH DVHGRGDEKC KQVLNVSQLV YGPEGSDLVL MKLARPAVLD DFVSTIDLPN YGCTIPEKTS CSVYGWGYTG LINYDGLLRV AHLYIMGNEK CSQHHRGKVT LNESEICAGA EKIGSGPCEG DYGGPLVCEQ HKMRMVLGVI VPGRGCAIPN RPGIFVRVAY YAKWIHKIIL TYKVPQS-728

Biological Activity

The activity was measured in a cell proliferation assay using 4MBr-5 rhesus monkey epithelial cells (ATCC CCL-208). The EC 50 for this effect is typically 20-40ng/ml.

Solubility

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

Precautions

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

Target Information: (P14210)