

RPPB0372

Product Information Protein Information

Product SKU:

RPPB0372

Accession:

P14210

Host:

HEK.

Protein description:

HGF Human Recombinant produced in HEK cells is a glycosylated disulfide-linked heterodimer, containing 697 a.a. (Gln-32 to Ser-728) having a total molecular weight of 80kDa. The HGF is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

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.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Solubility:

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

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.

Amino Acid Sequence:

32-QRKRNTIHE FKSAKTTLI KIDPALKIKT KKVNTADQCA NRCTRNGKLP FTCKAFVFDK ARKQCLWFPP
NSMSSGVKKE FGHEFDLYEN KDYIRNCIIG KGRSYKGTVS ITKSGIKCQP WSSMIPHEHS FLPSSYRGKD
LQENYCRNPR GEEGPPWCFT SNPEVRYEVC DIPQCSEVEC MTCNGESYRG LMDHTESGKI CQRWDHQTPH
RHKFLPERYP DKGFDNNYCR NPDGQPRPWC YTLDPHTRWE YCAIKTCADN TMNDTDVPLE TTECIQQGGE
GYRGTVNTIW NGIPCQRWDS QYPHEHDMTP ENFKCKDLRE NYCRNPDGSE SPWCFTTDPN IRVGYCSQIP
NCDMSHGQDC YRGNNGNYMG NLSQTRSGLT CSMWDKNMED LHRHIFWEPD ASKLNENYCR
NPDDDAHGPW CYTGNPLIPW DYCPISRCEG DTTPTIVNLD HPVISCATK QLRVINGIPT RTNIGWMMVSL
RYRNKHICGG SLIKESWVLT ARQCFPSRDL KDYEAWLGIH DVHGRGDEKC KQVLNVSQVL 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 EC50 for this effect is typically 20-40ng/ml.