

## 32-1303: HGF HEK Recombinant Protein

**Alternative Name :** Scatter Factor (SF),Hepatopoietin (HPTA),HGF,HGFB,F-TCF.

### Description

Source : HEK. HGF Human Recombinant produced in HEK cells is a glycosylated peptide, containing 697 a.a. (Gln-32 to Ser-728) having a total molecular weight of 70kDa.The HGF is purified by proprietary chromatographic techniques. 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 Info

**Amount :** 10 µg

**Purification :** Greater than 95% as observed by SDS-PAGE.

**Content :** The HGF was lyophilized from 1mg/ml in 1xPBS.

**Storage condition :**

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 :**

32-QRKRNTIHE FKSAKTTLI KIDPALKIKT KKVNTADQCA NRCTRNGLP FTCKAFVFDK ARKQCLWFPF  
NSMSSGVKKE FGHEFDLYEN KDYIRNCIIG KGRSYKGTVS ITKSGIKCQP WSSMIPHEHS FLPSSYRGKD  
LQENYCRNPR GEEGPPWCFT SNPEVRYEVC DIPQCSEVEC MTCNGESYRG LMDHTESGKI  
CQRWDHQTPH RHKFLPERYP DKGFDNYCR NPDGQPRPWC YTLDPHTRWE YCAIKTCADN  
TMNDTDVPLE TTECIQQQGE GYRGTVNTIW NGIPCQRWDS QYPHEHDMP ENFKCKDLRE  
NYCRNPDGSE SPWCFTDPN IRVGYCSQIP NCDMSHGQDC YRGNGKNYMG NLSQTRSGLT  
CSMWDKNMED LHRHIFWEPD ASKLNENYCR NPDDAHGPW CYTGNPLIPW DYCPIRCEG  
DTTPTIVNLD HPVISCAKTK QLRVNGIPT RTNIGWMVSL RYRNKHICGG SLIKESWVLT ARQCFPSRDL  
KDYEAWLGIH DVHGRGDEKC KQVLNVSQVL YGPEGSIDLVL MKLARPAVLD DVFSTIDLPN YGCTIPEKTS  
CSVYGWGYTG LINYDGLLRV AHLYIMGNEK CSQHHRGKVT LNESEICAGA EKIGSGPCEG DYGGPLVCEQ  
HKMRMVLGVI VPGRGCAIPN RPGIFVRVAY YAKWIHKIIL TYKVPQS-728

### Application Note

It is recommended to reconstitute the lyophilized HGF in sterile PBS containing 0.1% endotoxin-free recombinant HSA. The specific activity was determined by the dose-dependent stimulation of the proliferation of the monkey epithelial cell line 4MBr-5 and is typically 10-50ng/ml.

