

Hepatocyte Growth Factor Human Recombinant, HEK

Item Number	rAP-2294
Synonyms	Scatter Factor (SF), Hepatopoietin (HPTA), HGF, HGFB, F-TCF.
Description	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.
Uniprot Accession Number	P14210
Amino Acid Sequence	32-QRKRRNTIHE FKSAKTTLI KIDPALKIKT KKVNTADQCA NRCTRNKGLP FTCKAFVFDK ARKQCLW- FPF NSMSSGVKKE FGHEFDLYEN KDYIRNCIIG KGRSYKGTVS ITKSGIKCQP WSSMIPHEHS FLPSSYRGKD LQENYCRNPR GEEGGPWCFT SNPEVRYEVC DIPQCSEVEC MTCNGESYRG LMDHTESGKI CQRWDHQTPH RHKFLPERYP DKGFDNYCR NPDGQPRPWC YTLDPHTRWE YCAIK- TCADN TMNDTDVPLE TTECIQQQGE GYRGTVNTIW NGIPCQRWDS QYPHEHDMTP ENFKCKDLRE NYCRNPDGSE SPWCFTDPN IRVGYCSQIP NCDMSHGQDC YRGNGKNYMG NLSQTRSGLT
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The HGF was lyophilized from 1mg/ml in 1xPBS. Greater than 95% as observed by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized HGF in sterile PBS containing 0.1% endotoxin-free recombinant HSA.
Biological Activity	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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**