

Hepatocyte Growth Factor Human Recombinant

Item Number	rAP-2295
Synonyms	Scatter Factor (SF), Hepatopoietin (HPTA), HGF, HGFB, F-TCF.
Description	Hepatocyte Growth Factor Human Recombinant produced in Baculovirus is a heterodimer, non-glycosylated, polypeptide chain containing 692 a.a and having a total molecular mass of 78.0 KDa. The HGF is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P14210
Amino Acid Sequence	QRKRRNTIHEFKSAKTTLIKIDPALKIKTKKVNTADQCANRCTR- KGLPFTCKAFVFDKARKQCLWFPFNSMSSGVKKEFGHEFDLYENKDYIRNCIIGKGRSYKGTVSITKSGIKC QPWSSMIPHEHSYRGKDLQENYCRNPRGEEGGPWCFTSNPEVRYEVCIPQCSEVECMTNCGESYRGL MDHTESGKICQRWDHQTPIHRHKFLPERYPDKGFDDNYCRNPDGQPRPWCYTLDPHTRWEYCAIKTCAD NTMNDTDVPLETTECIQGGQEGYRGTVNTIWNIGIPCQRWDSQYPHEHDMTPENFKCKDLRENYCRNPDG SESPWCFTTDPNIRVGYSQIPNCDMSHGQDCYRGNGKNYMGNLSQTRSGLTCSMWDKNMEDLHRHIF
Source	Insect cells.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The sterile protein powder (1 mg/ml) is lyophilized from a solution containing 50mM acetic acid. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Hepatocyte Growth Factor in 50mM acetic acid to a concentration not less than 100µg/ml. Further dilutions should be made using buffer containing protein.
Biological Activity	The activity was assayed for scattering activity in the MDCK cell assay. The ED50 for this effect is typically at 1.0-5.0 ng/ml (200,000-1,000,000 IU/mg).
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**