

# Human HGF Recombinant Protein



RPPB0371

## Product Information Protein Information

### Product SKU:

RPPB0371

### Accession:

P14210

### Host:

Insect cells.

### Protein 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.

### Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

### Synonyms:

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

### Formulation:

The sterile protein powder (1 mg/ml) is lyophilized from a solution containing 50mM acetic acid.

### Purity:

Greater than 95.0% as determined by SDS-PAGE.

### 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.

### Stability:

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.

### Amino Acid Sequence:

QRKRRNTIHEFKKSAKTTLIKIDPALKIKTKKVNTADQCANRCTRNKGLPFTCKAFVFDKARKQCLWFPFNSMSSGVKK  
EFGHEFDLYENKDYIRNCIIGKGRSYKGTVSITKSGIKCQPWSSMIPHEHSYRGKDLQENYCRNPRGEEGGPWCFSTNP  
EVRYEVDIPQCSEVECMTCNGESYRGLMDHTESGKICQRWDHQTPHRHKFLPERYPDKGFDDNYCRNPDGQPRP  
WCYTLDPHTRWEYCAIKTCADNTMNDTDVPLETTECIQGQGEYRGTVNTIWNIGPCQRWDSQYPHEHDMTPENF  
KCKDLRENYCRNPDGSESPWCFTTDPNIRVGYCSQIPNCDMSHGQDCYRGNGKNYMGNLSQTRSGLTCSMWDK  
NMEDLHRHIFWEPDASKLNENYCRNPDDDAHGPWCYTGPNLPWDYCPISRCEGDTTPTIVNLDHPVISCATKQLR  
VVNGIPTRTNIGWMVSLRYRNKHICGGLIKESWVLTARQCFPSRDLKDYEAWLGIHDVHGRGDEKCKQVLNVSQVLV  
YGPEGSDLVLMKLARPAVLDDFVSTIDLPNYGCTIPEKTSVYVGWYTGILNYDGLLRVAHLYIMGNEKCSQHHRGK  
VTLNESEICAGAEKIGSGPCEGDYGGPLVCEQHKMRMVLGVIVPGRGCAIPNRP GIVRVAYYAKWIHKILTYKVPQS.

### 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).