

## 32-1304: HGF-A Recombinant Protein

**Alternative Name :** Scatter Factor, SF, Hepatopoietin, HPTA, HGF, HGFB, F-TCF, DFN39, Hepatocyte growth factor, Hepatopoietin-A, Hepatocyte growth factor alpha chain.

### Description

Source : Escherichia Coli. HGF-A Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 463 amino acids fragment (32-494) having a total molecular weight of 57.8kDa. The HGF-A is fused with a 4.5kDa amino-terminal hexahistidine tag. The HGF-A 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. HGF is secreted as a single inactive polypeptide which is cleaved by serine proteases into a 69kDa Alpha chain and 34kDa Beta chain. A disulfide bond linking the alpha and beta chains produces the active, heterodimeric molecule.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** HGF-A protein is supplied in 25mM Na. Acetate pH4.8, 1mM EDTA and 50% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.  
**Amino Acid :** QKRRTIHEFKSAKTTLIKIDPALKIKTKKVNTADQCANRCTRNGLPFTCKAFVFDKARKQCLW  
FPFNSMSSGVKKEFGHEFDLYENKDYIRNCIIGKGRSYKGTVSITKSGIKCQPWSSMIPHEHSFLPS  
SYRGKDLQENYCRNPRGEEGPPWCFTSNPEVRYEVCDDIPQCSEVECMTNCGESYRGLMDHTES  
GKICQRWDHQTPHRHKFLPERYPDKGFDDNYCRNPDGQPRPWCYTLDPHTRWEYCAIKTCADNT  
MNDTDVPLETTECIQGQGEYRGTVNTIWNIGIPCQRWDSQYPHEHDMTPENFKCKDLRENYCRN  
PDGSESPWCFTTDPNIRVGYCSQIPNCDMSHGQDCYRGNGKNYMGNLSQTRSGLTCSMWDKNM  
EDLHRHIFWEPDASKLNENYCRNPDDDAHGPWCYTG NPLIPWDYCPISRCEGDTTPTIVNLDHPVI  
SCAKTKQLR.

