9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-20546: Recombinant Human HGF (HEK293 derived)(Discontinued)

Reactivity : Human
Alternative Name : Hepatocyte Growth Factor, Scatter Factor (SF), Hepatopoietin (HPTA)

Description

Source:HEK293 cells
HGF is a potent, mesenchymally-derived mitogen for mature parenchymal hepatocytes, and acts as a growth factor for a broad spectrum of tissues and cell types. HGF signals through a transmembrane tyrosine kinase receptor known as MET. Activities of HGF include the induction of cell proliferation, motility, morphogenesis, inhibition of cell growth, and enhancement of neuron survival. HGF is a crucial mitogen for liver regeneration processes, especially after partial hepatectomy and other liver injuries. Human and murine HGF are cross-reactive. Human HGF is expressed as a linear, polypeptide-precursor glycoprotein containing 697 amino acid residues. Proteolytic processing of this precursor generates the biologically active heterodimeric form of HGF, which consists of two polypeptide chains (Alpha -chain and Beta -chain) held together by a single disulfide bond resulting in formation of a biologically active heterodimer. The Alpha -chain consists of 463 amino acid residues and four kringle domains. The Beta -chain consists of 234 amino acid residues. Recombinant Human HGF, sourced from HEK293 cells, is a 79.4 kDa polypeptide consisting of 695 amino acid residues. As a result of glycosylation, Recombinant Human HGF migrates with an apparent molecular mass of approximately 68-85 kDa by SDS-PAGE gel, under non-reducing conditions.

Product Info

Amount : 5 µg / 25 µg
Purification : Purity:>= 95% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : alpha chain: KRRNTIHEFK KSAKTTLIKI DPALKIKTKK VNTADQCANR CTRNKGLPFT CKAFVFDKAR KQCLWFPFNS MSSGVKKEFG HEFDLYENKD YIRNCIIGKG RSYKGTVSIT KSGIKCQPWS SMIPHEHSFL PSSYRGKDLQ ENYCRNPRGE EGGPWCFTSN PEVRYEVCDI PQCSEVECMT CNGESYRGLM DHTESGKICQ RWDHQTPHRH KFLPERYPDK GFDDNYCRNP DGQPRPWCYT LDPHTRWEYC AIKTCADNTM NDTDVPLETT ECIQGQGEGY RGTVNTIWNG IPCQRWDSQY PHEHDMTPEN FKCKDLRENY CRNPDGSESP WCFTTDPNIR VGYCSQIPNC DMSHGQDCYR GNGKNYMGNL SQTRSGLTCS MWDKNMEDLH RHIFWEPDAS KLNENYCRNP DDDAHGPWCY TGNPLIPWDY CPISRCEGDT TPTIVNLDHP VISCAKTKQL R beta chain: VVNGIPTRTN IGWMVSLRYR NKHICGGSLI KESWVLTARQ CFPSRDLKDY EAWLGIHDVH GRGDEKCKQV LNVSQLVYGP EGSDLVLMKL ARPAVLDDFV STIDLPNYGC TIPEKTSCSV YGWGYTGLIN YDGLLRVAHL YIMGNEKCSQ HHRGKVTLNE SEICAGAEKI GSGPCEGDYG GPLVCEQHKM RMVLGVIVPG RGCAIPNRPG IFVRVAYYAK WIHKIILTYK VPQS

Application Note

Determined by the dose-dependent stimulation of the proliferation of monkey 4MBr-5 cells.ÃÂ

For Research Use Only. Not for use in diagnostic/therapeutics procedures.