



RECOMBINANT HUMAN HEPATOCYTE GROWTH FACTOR

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|-----------------------------|---|------------------|-------|
| CATALOG NUMBER: | GF116 | QUANTITY: | 10 µg |
| LOT NUMBER: | | | |
| DESCRIPTION: | <p>Human Hepatocyte Growth Factor (HGF) is also known as Scatter Factor and Hepatopoeitin A. HGF is a potent mitogen for mature parenchymal hepatocyte cells and acts as a growth factor for a broad spectrum of tissues and cell types. Activities of HGF include 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.</p> <p>GF116 is an 80 kDa disulfide-linked heterodimeric protein consisting of the alpha chain (463 amino acids) and the beta chain (234 amino acids).</p> | | |
| SOURCE: | Baculovirus infected High-5 cells. | | |
| PURITY: | Greater than 98% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg (1EU/µg). | | |
| BIOLOGICAL ACTIVITY: | The ED ₅₀ was determined by the dose-dependent stimulation of the proliferation of monkey 4MBr-5 cells was found to be in the range of 20.0-40.0 ng/mL. | | |
| PRESENTATION: | The sterile filtered solution was lyophilized from 0.1M L-arginine HCl, 10 mM Tris, pH 8.0, and 200 mM NaCl. | | |
| STORAGE/HANDLING: | The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted HGF should be stored in working aliquots at -20°C. We recommend a quick centrifugation of the vial followed by reconstitution in water to a concentration of 0.5 mg/mL. This solution can then be diluted into other buffers and stored at 4°C for 1 week or stored at -20°C for future use. Avoid repeated freeze/thaw cycles. | | |

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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