

## Active Recombinant Human HGF Protein, Animal Free

Cat. No. HGF-18H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human HGF Protein without tag was expressed in Human cells. Animal Free and Xeno Free
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	HGF is a pleiotropic protein in the plasminogen subfamily of S1 peptidases. 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. Human HGF is secreted as an inactive 728 amino acid (aa) single chain propeptide. HGF regulates many physiological processes including proliferation, scattering, morphogenesis and survival. HGF is a crucial mitogen for liver regeneration processes, especially after partial hepatectomy and other liver injuries.
<b>Bio-activity</b>	The activity was measured by its ability to stimulate the proliferation of the monkey epithelial cell line 4MBr-5.
<b>Molecular Mass</b>	70 kDa
<b>Endotoxin</b>	<0.5 EU/ µg
<b>Purity</b>	High Purity, >95% by SDS-PAGE

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<b>Stability</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein
<b>Reconstitution</b>	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	HGF hepatocyte growth factor (hepatopietin A; scatter factor) [ Homo sapiens (human) ]
<b>Official Symbol</b>	HGF
<b>Synonyms</b>	HGF; hepatocyte growth factor (hepatopietin A; scatter factor); deafness, autosomal recessive 39 , DFNB39; hepatocyte growth factor; F TCF; fibroblast derived tumor cytotoxic factor; hepatopietin A; HGFB; HPTA; lung fibroblast derived mitogen; scatter factor; SF; hepatopoeitin-A; hepatopietin-A; lung fibroblast-derived mitogen; fibroblast-derived tumor cytotoxic factor; F-TCF; DFNB39;
<b>Gene ID</b>	3082
<b>mRNA Refseq</b>	NM_000601
<b>Protein Refseq</b>	NP_000592
<b>MIM</b>	142409

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