

## Active GMP Recombinant Human HGF Protein

Cat. No. HGF-01HG Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human HGF protein, was expressed in CHO-K1 cell-derived in an animal component free process under cGMP guidelines.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Description</b>	<p>This gene encodes a protein that binds to the hepatocyte growth factor receptor to regulate cell growth, cell motility and morphogenesis in numerous cell and tissue types. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate alpha and beta chains, which form the mature heterodimer. This protein is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. This protein also plays a role in angiogenesis, tumorigenesis, and tissue regeneration. Although the encoded protein is a member of the peptidase S1 family of serine proteases, it lacks peptidase activity. Mutations in this gene are associated with nonsyndromic hearing loss.</p>
<b>Form</b>	Lyophilized powder
<b>Endotoxin</b>	<20 EU/mg
<b>Bio-activity</b>	>2.5 x 10 <sup>4</sup> IU/mg
<b>Purity</b>	>95.0% by high performance liquid chromatography (SEC-HPLC) and SDS-PAGE.

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<b>Storage Buffer</b>	10mM Phosphate-Buffered Saline (pH 7.2)
<b>Storage</b>	Stable storage at 4°C for 7-10 days; for long-term storage, please store at -20°C after dispensing.
<b>Sterility</b>	Sterility
<b>Instructions</b>	It is recommended that lyophilized GMP rhHGF be dissolved in water for injection or sterilized ultrapure water at a concentration of not less than 100 µg/ml, pending further dilution to working concentration.

## GENE INFORMATION

<b>Gene Name</b>	HGF hepatocyte growth factor [ Homo sapiens (human) ]
<b>Official Symbol</b>	HGF
<b>Synonyms</b>	SF; HGFB; HPTA; F-TCF; DFNB39
<b>Gene ID</b>	3082
<b>mRNA Refseq</b>	NM_000601.6
<b>Protein Refseq</b>	NP_000592.3
<b>UniProt ID</b>	P14210
<b>MIM</b>	142409

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