

## Active Recombinant Human HGF protein

Cat. No. HGF-8535H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human HGF protein(NP_000592.3)(Met 1-Ser 728) was expressed and purified in CHO.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	1-728 aa
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Bio-activity</b>	Measured by its ability to neutralize TGF-beta mediated inhibition on Mv-1-Lu cell proliferation. The ED50 for this effect is typically 2-10 ng/mL.
<b>Molecular Mass</b>	The secreted recombinant human HGF consists of 697 amino acids after cleavage of the signal peptide and has a predicted molecular mass of 79.7 kDa. The HGF single chain can be processed into the active form of disulfide-linked heterodimer of $\alpha$ and $\beta$ chain. As a result of glycosylation, it migrates with the apparent molecular mass of 90, 60 and 34 kDa corresponding to the single chain, $\alpha$ chain and $\beta$ chain respectively in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g protein as determined by the LAL method.
<b>Purity</b>	> 93 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage** Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** HGF hepatocyte growth factor (hepapoietin A; scatter factor) [ Homo sapiens ]

**Official Symbol** HGF

**Synonyms** HGF; hepatocyte growth factor (hepapoietin A; scatter factor); deafness, autosomal recessive 39 , DFNB39; hepatocyte growth factor; F TCF; fibroblast derived tumor cytotoxic factor; hepatopoietin A; HGFB; HPTA; lung fibroblast derived mitogen; scatter factor; SF; hepatopoeitin-A; hepatopoietin-A; lung fibroblast-derived mitogen; fibroblast-derived tumor cytotoxic factor; F-TCF; DFNB39;

**Gene ID** 3082

**mRNA Refseq** NM\_000601

**Protein Refseq** NP\_000592

**MIM** 142409

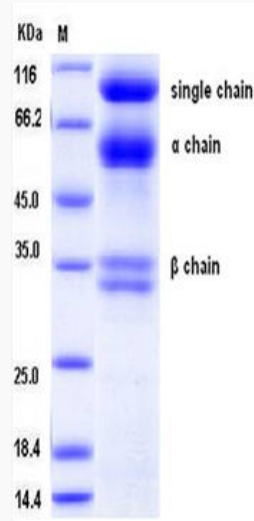
**UniProt ID** P14210

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**SDS-PAGE**



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA