

Active Recombinant Human HGF protein, hFc-tagged, Low Endotoxin

Cat. No. HGF-210H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HGF protein(P14210-1)(Gln32-Ser728), fused with C-terminal hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	32-728 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS, 100 mM L-arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human HGF R, His Tag at 2µg/ml (100 µl/Well) on the plate. Dose response curve for Human HGF, hFc Tag with the EC50 of 10.0 ng/ml determined by ELISA.
Molecular Mass	The HGF single chain can be processed into the active form of disulfide-linked heterodimer of α and β chain. The protein has a predicted MW of 79.6 kDa (after cleavage of the signal peptide). Due to glycosylation, the protein migrates to 60-65 kDa corresponding to α chain and β chain based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

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

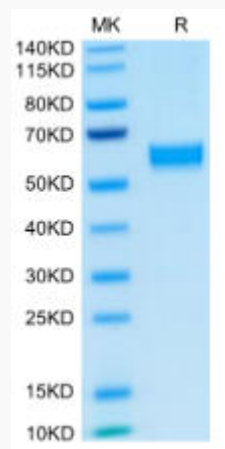
UniProt ID P14210

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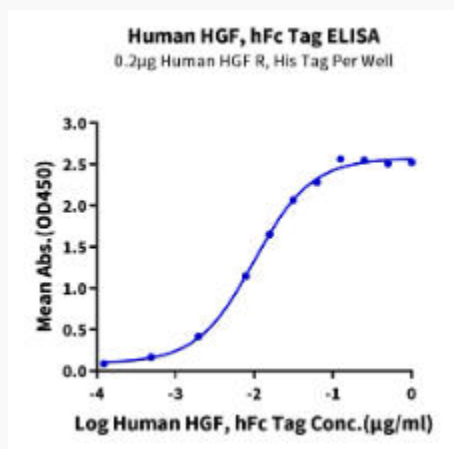
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Bis-Tris PAGE



ELISA Data



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