

Active Recombinant Human HGF Protein, Fc-tagged, Low Endotoxin

Cat. No. HGF-4417H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human HGF Protein(P14210-1)(Gln32-Ser728) is expressed from HEK293 with hFc (IgG1) tag at the C-terminus.
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).
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

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Storage	-20 to -80°C for 12 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.
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Reconstitution	Dissolve the lyophilized protein in distilled water.
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GENE INFORMATION

Gene Name	HGF hepatocyte growth factor (hepapoietin A; scatter factor) [Homo sapiens]
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Official Symbol	HGF
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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;
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Gene ID	3082
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mRNA Refseq	NM_000601
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Protein Refseq	NP_000592
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MIM	142409
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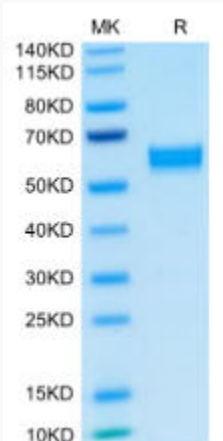
UniProt ID	P14210
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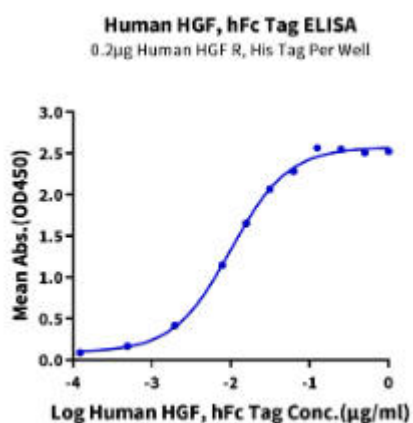
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Bis-Tris PAGE



ELISA Data



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