

Active Recombinant Human HGF protein, His-tagged

Cat. No. HGF-364H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HGF protein(Gln32-Ser728), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	32-728 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1. Measured by its ability to induce IL-11 secretion by Saos-2 human osteosarcoma cells. Hjertner, O. et al. (1999) Blood 94:3883. The ED50 for this effect is 2.23-8.91 ng/mL, corresponding to a specific activity of 1.12×10^5 - 4.48×10^5 units/mg. 2. Measured by its ability to inhibit TGFβ1 activity on Mv-1-lu mink lung epithelial cells. The ED50 for this effect is 2.66-10.64 ng/mL, corresponding to a specific activity of 9.40×10^4 - 3.76×10^5 units/mg.
Molecular Mass	80.51 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.
Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the

 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

date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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

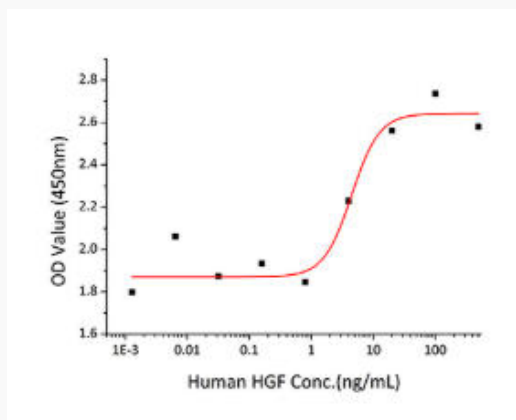
UniProt ID P14210

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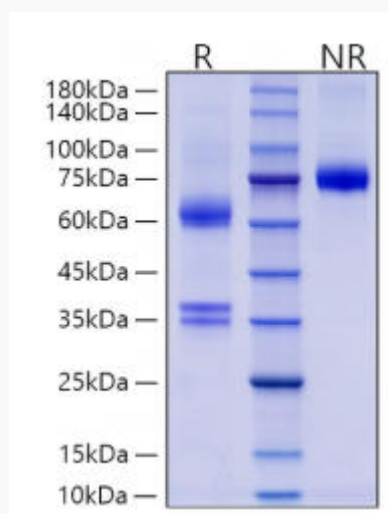
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Activity



SDS-PAGE



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