

Active Recombinant Human HGF protein

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

SPECIFICATION

Product Overview	Active Recombinant Human HGF protein(NP_000592.3)(Met 1-Ser 728) was expressed and purified in CHO.
Species	Human
Source	CHO
ProteinLength	1-728 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	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.
Molecular Mass	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 α and β chain. As a result of glycosylation, it migrates with the apparent molecular mass of 90, 60 and 34 kDa corresponding to the single chain, α chain and β chain respectively in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μ g protein as determined by the LAL method.
Purity	> 93 % as determined by SDS-PAGE

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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

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