

Active Recombinant Human HGF protein

Cat. No. HGF-195H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HGF(HGF protein isoform 1 (comprising the signal peptide, and alpha and beta chains)) was expressed in HEK293.
Species	Human
Source	HEK293
Form	When reconstituted in 0.5 ml sterile phosphate-buffered saline, the solution will contain 1% human serum albumin (HSA) and 10% trehalose.
Bio-activity	The ED50 of HGF is typically 20 - 40 ng/ml as measured in a cell proliferation assay using the human HepG2 cell line.
Molecular Mass	Under reducing conditions HGF migrates as a broad band between 80 and 110 kDa in SDS-PAGE due to post-translational modifications, in particular glycosylation. This compares with unmodified HGF that has a predicted monomeric molecular mass of 79.7 kDa.
Purity	>95%, as determined by SDS-PAGE and visualised by Coomassie Brilliant Blue.
Storage	Lyophilised products should be stored at 2 to 8 centigrade. Following reconstitution short-term storage at 4 centigrade is recommended and longer-term storage of aliquots at -18 to -20 centigrade. Repeated freeze thawing is not recommended.

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Reconstitution It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial.

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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