

Recombinant Human HGF protein, His & GST-tagged

Cat. No. HGF-793H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HGF aa. (Gln32~Asn291 (Accession # P14210)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln32~Asn291
Description	This gene encodes a protein that binds to the hepatocyte growth factor receptor to regulate cell growth, cell motility and morphogenesis in numerous cell and tissue types. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate alpha and beta chains, which form the mature heterodimer. This protein is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. This protein also plays a role in angiogenesis, tumorigenesis, and tissue regeneration. Although the encoded protein is a member of the peptidase S1 family of serine proteases, it lacks peptidase activity. Mutations in this gene are associated with nonsyndromic hearing loss.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 62.1kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Characteristic	The isoelectric point is 8.5.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

Gene Name	HGF hepatocyte growth factor [Homo sapiens (human)]
Official Symbol	HGF
Synonyms	HGF; hepatocyte growth factor; SF; HGFB; HPTA; F-TCF; DFNB39; hepatocyte growth factor; fibroblast-derived tumor cytotoxic factor; hepatocyte growth factor (hepapoietin A; scatter factor); hepatopoietin-A; lung fibroblast-derived mitogen
Gene ID	3082
mRNA Refseq	NM_000601.5

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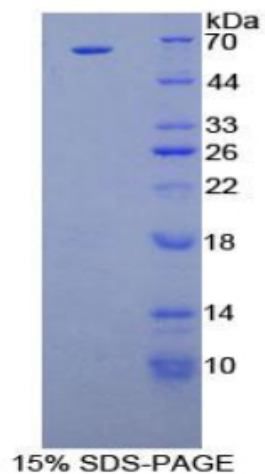
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Protein Refseq NP_000592.3

UniProt ID P14210

SDS-PAGE



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