



[Go to Product page](#)

Datasheet for ABIN7274808

HGF Protein (AA 32-728) (His tag)

4 Images

Overview

Quantity:	100 µg
Target:	HGF
Protein Characteristics:	AA 32-728
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HGF protein is labelled with His tag.

Product Details

Purpose:	Human HGF Protein
Sequence:	Gln32-Ser728
Characteristics:	Recombinant Human HGF Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln32-Ser728.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human HGF, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human HGF R, hFc Tag with the EC50 of 46.7ng/ml determined by ELISA. See testing image for detail.

Target Details

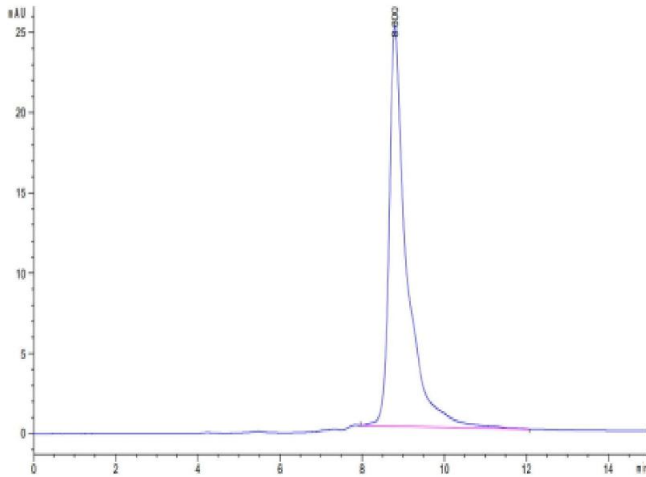
Target:	HGF
Alternative Name:	HGF (HGF Products)
Background:	Hepatocyte growth factor (HGF) is an important component of the pathophysiology of IR, with increased levels in most common IR conditions, including obesity. HGF has a role in the metabolic flux of glucose in different insulin sensitive cell types.
Molecular Weight:	the signal peptide). Due to glycosylation, the protein migrates to 60-65 kDa and 30-40 kDa corresponding to α chain and β chain based on Bis-Tris PAGE result.
Pathways:	RTK Signaling , Carbohydrate Homeostasis , Glycosaminoglycan Metabolic Process , Synaptic Membrane , Signaling of Hepatocyte Growth Factor Receptor

Application Details

Restrictions:	For Research Use only
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Handling

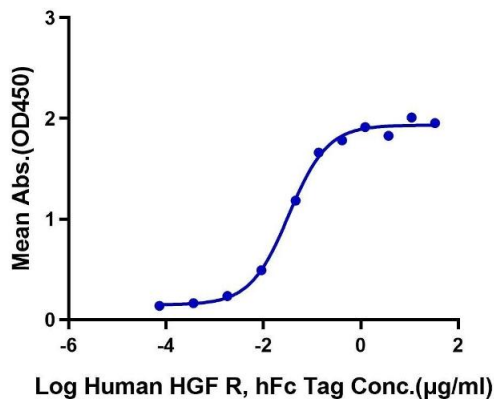
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g/mL}$ is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μm filtered solution in PBS, 200 mM L-arginine (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

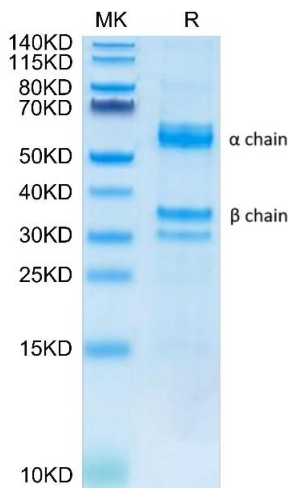
Image 1. The purity of Human HGF is greater than 95 % as determined by SEC-HPLC.

Human HGF, His Tag ELISA
0.05µg Human HGF, His Tag Per Well



ELISA

Image 2. Immobilized Human HGF, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human c-MET, hFc Tag with the EC50 of 33.3 ng/mL determined by ELISA.



SDS-PAGE

Image 3. Human HGF on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274808.