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Datasheet for ABIN7505740

**HGF Protein (AA 33-728) (His tag)**

## Overview

Quantity:	100 µg
Target:	HGF
Protein Characteristics:	AA 33-728
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HGF protein is labelled with His tag.

## Product Details

Sequence:	Gln33-Leu728
Characteristics:	A DNA sequence encoding the Mouse Hgf protein (Q08048) (Gln33-Leu728) was expressed with a C-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Target Details

Target:	HGF
Alternative Name:	HGF ( <a href="#">HGF Products</a> )
Background:	Abbreviation: HGF Target Synonym: Hepatopoietin-A, Scatter factor, SF, Deafnes, Autosomal recessive 39, DFNB39, F-TCF, Hepatocyte growth factor Background: HGF, is a pleiotropic protein in the Plasminogen subfamily of S1 peptidases.

## Target Details

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Mouse HGF is secreted as an inactive 728 amino acid (aa) single chain propeptide. It is cleaved after the fourth Kringle domain by a serine protease to form bioactive disulfide-linked HGF with a 60 kDa alpha and 30 kDa beta chain. HGF binds heparan-sulfate proteoglycans and the widely expressed receptor tyrosine kinase, HGF R/c-MET. HGF regulates epithelial morphogenesis by inducing cell scattering and branching tubulogenesis. It can also alter epithelium morphology by the induction of nectin-1 alpha ectodomain shedding, an adhesion protein component of adherens junctions.

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Molecular Weight:            Calculated MW: 79.97 kDa  
   Observed MW: 60 kDa

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UniProt:                        [Q08048](#)

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Pathways:                      [RTK Signaling](#), [Carbohydrate Homeostasis](#), [Glycosaminoglycan Metabolic Process](#), [Synaptic Membrane](#), [Signaling of Hepatocyte Growth Factor Receptor](#)

## Application Details

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Restrictions:                 For Research Use only

## Handling

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Format:                        Lyophilized

Buffer:                        Lyophilized from sterile PBS, pH 7.4.  
   Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

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Storage:                       4 °C,-20 °C,-80 °C

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Storage Comment:            Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  
   Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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Expiry Date:                 12 months