Datasheet for ABIN7318577

HGF Protein (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	HGF
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This HGF protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human HGF Protein (His Tag)(Active)
Sequence:	Gln32-Ser728
Characteristics:	Recombinant Human Hepatocyte Growth Factor is produced by our Mammalian expression system and the target gene encoding Gln32-Ser728 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to induce IL-11 secretion by Saos-2 human osteosarcoma cells. The ED50 for this effect is 0.3-1.5 ng/ml.

Target Details

Target:	HGF

Target Details

Alternative Name:	HGF (HGF Products)
Background:	Background: Hepatocyte growth factor/scatter factor (HGF/SF) is a paracrine cellular growth, motility and morphogenic factor. It belongs to the peptidase S1 family and Plasminogen subfamily, contains 4 kringle domains, 1 PAN domain and 1 peptidase S1 domain. HGF regulates cell growth, cell motility, and morphogenesis by activating a tyrosine kinase signaling cascade after binding to the proto-oncogenic c-Met receptor. HGF is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. Its ability to stimulate mitogenesis, cell motility, and matrix invasion gives it a central role in angiogenesis, tumorogenesis, and tissue regeneration. Synonym: Hepatocyte growth factor,HPTA,HGF,SF,Scatter factor,Hepatopoietin-A
Molecular Weight:	26&53.7&80.7 kDa
UniProt:	P14210
Pathways:	RTK Signaling, Carbohydrate Homeostasis, Glycosaminoglycan Metabolic Process, Synaptic Membrane, Signaling of Hepatocyte Growth Factor Receptor

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris,150 mM NaCl, pH 8.0.
Storage:	4 °C,-20 °C,-80 °C
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.