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Datasheet for ABIN7318578 HDGF Protein (His tag)

Overview

Quantity:	50 µg
Target:	HDGF
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HDGF protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human HDGF Protein (His Tag)
Sequence:	Met 1-Tyr100
Characteristics:	Recombinant Human Hepatoma-Derived Growth Factor is produced by our E.coli expression system and the target gene encoding Met1-Tyr100 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.

Target Details

Target:	HDGF
Alternative Name:	HDGF (HDGF Products)
Background:	Background: Hepatoma-Derived Growth Factor is a original member of the HDGF family. HDGF is a cytoplasmic protein and contains one PWWP domain. HDGF expression levels are high in

Target Details

the nucleus and cytoplasm of smooth muscle and endothelial cells. HDGF has proliferative, angiogenic and neurotrophic activity. HDGF was initially characterized as a secreted mitogen from the Huh-7 human hepatoma cell line. As a heparin-binding protein, which is highly expressed in tumor cells where it stimulates proliferation. HDGF has mitogenic activity for fibroblasts and acts as a transcriptional repressor. It has been shown that HDGF is linked with tumorigenesis and the growth of cancer.

Synonym: Hepatoma-Derived Growth Factor, HDGF, High Mobility Group Protein 1-Kike 2, HMG-1L2, HDGF, HMG1L2

Molecular Weight: 12.6 kDa

UniProt: [P51858](#)

Pathways: [ER-Nucleus Signaling](#)

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, 1 mM DTT, 1 mM EDTA, pH 7.5.

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.