

Recombinant Human HDGF

Cat. No. HDGF-361H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HDGF was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 11.5 kDa (100aa).
Species	Human
Source	E.coli
Description	Hepatoma-derived growth factor isoform a, also known as HDGF, belongs to the hepatoma-derived growth factor family. HDGF was originally identified as a secreted mitogen from the human hepatoma cell line Huh-7. This nuclear targeted vascular smooth muscle cell mitogen is a heparin-binding protein that is highly expressed in tumor cells where it stimulates proliferation. HDGF is also reported to be involved in organ development and lung remodeling after injury by promoting proliferation of lung epithelial cells.
Amino Acid Sequence	MSRSNRQKEY KCGDLVFAKM KGYPHWPARI DEMPEAAVKS TANKYQVFFF GTHETAFLGP KDLFPYEESK EKFGKPNKRK GFSEGLWEIE NNPTVKASGY
Form	Liquid. In 20mM Tris-HCl buffer (pH7.5) containing 1mM DTT, 10% glycerol, 1mM EDTA
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION**Gene Name**

HDGF hepatoma-derived growth factor (high-mobility group protein 1-like) [Homo sapiens]

Synonyms

HDGF; hepatoma-derived growth factor (high-mobility group protein 1-like); HMG1L2; FLJ96580; DKFZp686J1764; Hepatoma-derived growth factor; High-mobility group protein 1-like 2; HMG-1L2; OTTHUMP00000038721

Gene ID

3068

mRNA Refseq

NM_001126050

Protein Refseq

NP_001119522

MIM

600339

UniProt ID

P51858

**Chromosome
Location**

1q21-q23

Function

DNA binding; growth factor activity; heparin binding; nucleotide binding

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