

Recombinant human HDGF protein

Catalog Number: ATGP0402

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-100aa

UniProt No.

P51858

NCBI Accession No.

NP_004485

Alternative Names

Hepatoma-derived growth factor isoform a, HMG1L2, Hepatoma-derived growth factor isoform a Hepatoma derived growth factor, High mobility group protein 1 like 2,

PRODUCT SPECIFICATION

Molecular Weight

11.5 kDa (100aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 10% glycerol, 1mM EDTA

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human HDGF was

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expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

MSRSNRQKEY KCGDLVFAKM KGYPHWPARI DEMPEAAVKS TANKYQVFFF GTHETAFLGP KDLFPYEESK EKFGKPNKRK
GFSEGLWEIE NNPTVKASGY

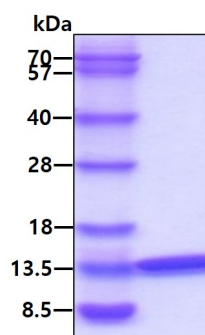
General References

Everett AD., et al. (2003) *Curr Drug Targets*. 4(5):367-71.

Everett AD., et al. (2004) *Am J Physiol Lung Cell Mol Physiol*. 28(6):L1194-201.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.