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32-1298: HDGF Recombinant Protein

Alternative Name : High-mobility group protein 1-like 2,HMG1L2,HMG-1L2,Hepatoma-derived growth factor,HDGF,FLJ96580,DKFZp686J1764.

Description

Source : Escherichia Coli. The HDGF Human recombinant protein is a single, non-glycosylated polypeptide chain produced in E. coli, having a molecular weight of 11.5kDa and containing 100 amino acids.The HDGF is purified by proprietary chromatographic techniques. HDGF is a member of the hepatoma-derived growth factor family. HDGF plays a role as a secreted mitogen from the human hepatoma cell line Huh-7. HDGF is a nuclear targeted vascular smooth muscle cell mitogen as well as a heparin-binding protein that is greatly expressed in tumor cells where it stimulates proliferation. HDGF takes part in organ development and lung remodeling after injury by promoting proliferation of lung epithelial cells. HDGF plays a role in the carcinogenesis of gastric epithelial cells through promotion of cell proliferation by Erk1/2 activation. HDGF is linked with tumorigenesis and the growth of cancer. HDGF is a self-regulating factor connected with the prognosis of liver cancer, non-small cell lung cancer and pancreatic cancer. HDGF has proliferative, angiogenic, and neurotrophic activity. HDGF is a distinctive nuclear targeting growth factor that is vastly expressed in HCC cells and is a prognostic factor for HCC.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The HDGF protein solution (1mg/ml) is formulated in 20mM Tris-HCl pH-7.5, 1mM DTT, 10% glycerol and 1mM EDTA.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MSRSNRQKEY KCGDLVFAKM KGYPHWPARI DEMPEAAVKS TANKYQVFFF GTHETAFLGP KDLFPYEESK EKFGKPNKRK GFSEGLWEIE NNPTVKASGY.

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