9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HDGF Human

Hepatoma-Derived Growth Factor Human Recombinant
GRF0150

Product Overview

Name	HDGF Human
Description	
Hepatoma-Derived Growth Factor Human Recombinant	
Accession (Primary)	P51858
Synonyms	
High-mobility group protein 1-like 2, HMG1L2, HMG-1L2, Hepatoma-derived growth factor, HDGF, FLJ96580, DKFZp686J1764.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The HDGF protein solution (1mg/ml) is formulated in 20mM Tris-HCl pH-7.5, 1mM DTT, 10% glycerol and 1mM EDTA.	
Stability	
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 storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95% as determined by SDS-PAGE.	

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Amino acid sequence

MSRSNRQKEY KCGDLVFAKM KGYPHWPARI DEMPEAAVKS TANKYQVFFF GTHETAFLGP KDLFPYEESK EKFGKPNKRK GFSEGLWEIE NNPTVKASGY.

Precautions

HDGF Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P51858)