

Mouse recombinant HDGF (Hepatoma-derived growth factor) protein, AF

Catalog Number: PROTP51859

Overview

Product Name	Mouse recombinant HDGF (Hepatoma-derived growth factor) protein, AF
Description	Heparin Binding Growth Factors (HDGF) is a 27.6 kDa hepatoma-derived Growth Factors with 246 amino acid residues. HDGF is mainly expressed from mitochondria and proteasome. Functionally, it is a potent mitogen, stimulating the growth of vascular smooth muscle cells, hepatoma cells and endothelial cells, acting as a transcriptional repressor. HDGF is expressed in a variety of cancers.
Size	5ug,20ug,100ug
Tag	His Tag (C-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 27.08 kDa. The protein migrates as 35-48 kDa under reducing condition (SDS-PAGE analysis).

Activity

Testing in process

Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

MSRSNRQKEYKCGDLVFAKMKGYPHWPARIDEMPEAAVKSTANKYQVFFFGTHETAFLGPKDLFPYEEESKEKFGKPNKRKGFSEGLWEIENNPTVKA
SGYQSSQKKSCAAEPEVEPEAHEGDGDKKGS AEGSSDEEGKLVIDEPAKEKNEKGT LKRRAGDVLEDSPKRPKESGDHEEEDKEIAALEGERPLPVEVEK
NSTPSEPD SGQGPPAEEEEEEEEAAKEEAE AQGVRDHESL with polyhistidine tag at the C-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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