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Recombinant Human HDGFL2 Protein, N-His-SUMO & C-Strep

Catalog Number:	bs-105497P
Species:	Human
AA Seq:	1-87/671
Predicted MW:	23.62 kDa
Tags:	N-His-SUMO & C-Strep
Activity:	Not tested
Purity:	>90% as determined by SDS-PAGE.
Purification:	AC
Form:	Lyophilized
Storage:	Lyophilized from a solution in PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol. Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for frequent use. Store at -20 to -80°C for twelve months from the date of receipt.
Background:	Hepatoma Derived Growth Factor (HDGF) is the original member of a family of polypeptides designated HDGF-related proteins (HRPs). HDGF was initially characterized as a secreted mitogen from the Huh-7 human hepatoma cell line. This nuclear targeted vascular smooth muscle cell mitogen (VSM) 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. During development, HDGF expression is high in the nucleus and cytoplasm of smooth muscle and endothelial cells. The HRP (HDGF related proteins) family contains four proteins, HRP-1, HRP-2, HRP-3 and HRP-4. HRP-1 and HRP-4 are only expressed in testis while HRP-2 is widely expressed in different tissues. HRP-3 can solely be found in the nervous system. Specifically it is strongly expressed in bulbus, olfactorius, piriform cotrex and amygdala complex while HRP-2 in brain is located in the the thalamus, prefrontal and parietal cortex, neurohypophysis, and the cerebellum. In the central nervous system, HRP proteins are play a role in neuron proliferation and cell survival.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.