

Recombinant Human HDGF Protein, His-tagged

Cat. No. HDGF-159H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Hepatoma-Derived Growth Factor is produced by our E.coli expression system and the target gene encoding Met1-Tyr100 is expressed with a 6His tag at the C-terminus.
Species	Human
Source	E.coli
ProteinLength	1-100 a.a.
Description	Hepatoma-Derived Growth Factor is a original member of the HDGF family. HDGF is a cytoplasmic protein and contains one PWWP domain. HDGF expression levels are high in the nucleus and cytoplasm of smooth muscle and endothelial cells. HDGF has proliferative, angiogenic and neurotrophic activity. HDGF was initially characterized as a secreted mitogen from the Huh-7 human hepatoma cell line. As a heparin-binding protein, which is highly expressed in tumor cells where it stimulates proliferation. HDGF has mitogenic activity for fibroblasts and acts as a transcriptional repressor. It has been shown that HDGF is linked with tumorigenesis and the growth of cancer.
Form	Lyophilized from a 0.2 um filtered solution of 20mM Tris, 1mM DTT, 1mM EDTA, pH 7.5.
Molecular Mass	Predicted Molecular Weight: 12.6kDa Apparent Molecular Weight: 14kDa, reducing conditions.

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AA Sequence	Met1-Tyr100
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).
Purity	>95%
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Statement	Purity: Greater than 95% as determined by reducing SDS-PAGE.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

Gene Name	HDGF heparin binding growth factor [Homo sapiens (human)]
Official Symbol	HDGF
Synonyms	Hepatoma-Derived Growth Factor; High Mobility Group Protein 1-Kike 2; HMG-1L2; HMG1L2
Gene ID	3068

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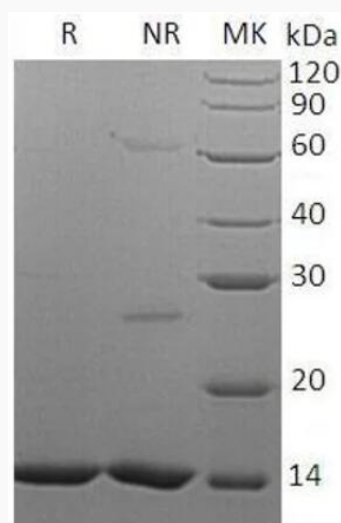
mRNA Refseq [NM_001126050.2](#)

Protein Refseq [NP_001119522.1](#)

MIM [600339](#)

UniProt ID [P51858](#)

SDS-PAGE



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