

## Recombinant Human HDGF

Cat. No. HDGF-27530TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human fragment of HDGF amino acids 1-100, predicted MW: 11.5kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	100 amino acids
<b>Description</b>	<p>This gene encodes a member of the hepatoma-derived growth factor family. The encoded protein has mitogenic and DNA-binding activity and may play a role in cellular proliferation and differentiation. This gene was thought initially to be located on chromosome X, however, that location has been determined to correspond to a related pseudogene. Alternatively spliced transcript variants encoding distinct isoforms have been described.</p>
<b>Molecular Weight</b>	11.500kDa
<b>Tissue specificity</b>	Ubiquitous.
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	pH: 7.50 Constituents: 10% Glycerol, 0.32% Tris HCl, 0.02% DTT, 0.03% EDTA

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<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MSRSNRQKEY KCGDLVFAKM KGYPHWPARI DEMPEAAVKS TANKYQVFFF GTHETAFLGP KDLFPYEESK EKFGKPNKRK GFSEGLWEIE NNPTVKASGY
<b>Sequence Similarities</b>	Belongs to the HDGF family. Contains 1 PWWP domain.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	HDGF hepatoma-derived growth factor [ Homo sapiens ]
<b>Official Symbol</b>	HDGF
<b>Synonyms</b>	HDGF; hepatoma-derived growth factor; hepatoma derived growth factor (high mobility group protein 1 like); high mobility group protein 1 like; HMG1L2;
<b>Gene ID</b>	3068
<b>mRNA Refseq</b>	NM_001126050
<b>Protein Refseq</b>	NP_001119522
<b>MIM</b>	600339
<b>Uniprot ID</b>	P51858
<b>Chromosome Location</b>	1q21-q23
<b>Pathway</b>	Activation of Chaperones by IRE1alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Unfolded Protein Response, organism-

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specific biosystem;

**Function**

DNA binding; growth factor activity; heparin binding; nucleotide binding;

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