

## Recombinant Human HDGF / Hepatoma-Derived Growth Factor, Animal Free & Carrier Free

Cat #: C-CYP337

Size: 5µg, 20µg, 100µg, 500µg, 1mg

Shipping: Blue Ice

### Product Overview

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 has several biochemical functions, for example, DNA binding, RNA polymerase II transcription corepressor activity, growth factor activity. Some of the functions are cooperated with other proteins, some of the functions could acted by HDGF itself.

### Product Information

**Source:** *Escherichia Coli*.

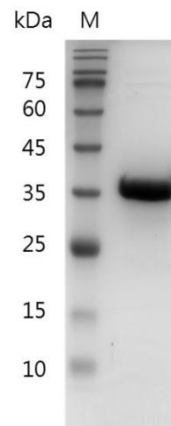
**Purity:** >98% as determined by SDS-PAGE. Ni-NTA chromatography.

**Endotoxin:** <0.1EU per 1µg of the protein by the LAL method.

**Amino acid sequence:**

MSRSNRQKEYKCGDLVFAKMKGYPHWPARIDEMPEAAVKSTANKYQVFFFGTHETAFLGPKDLFPYEESKEKFGKPNKRKGFSEGLWEIE  
NNPTVKASGYQSSQKSCVVEPEPEPEAAEGDGDKKGNAEGSSDEEGKLVIDEPAKEKNEKGALKRRAGDLLEDSPKRPKEAENPEGEEKE  
AATLEVERPLPMEVEKNSTPSEPGSGRPPQEEEEEEEEEEATKEDAEAPGIRDHESL with polyhistidine tag at the C-terminus.

**Formulation:** Lyophilized from a sterile filtered aqueous solution in 1×PBS, pH 7.4.



SDS-PAGE analysis of recombinant human HDGF

## Usage Method

1. Before opening, it is recommended to centrifuge at 3000-3500 rpm for 5 minutes.
2. Reconstitute to a concentration of 0.1-1.0 mg/mL in sterile distilled H<sub>2</sub>O. Allow the solution to sit at room temperature for at least 20 minutes to ensure complete dissolution. Avoid vigorous vortexing.
3. The reconstituted solution can be stored at 2-8°C for up to 1 week.
4. For long-term storage, it is recommended to further dilute the solution with a carrier protein (such as 0.1% BSA, 10% FBS, or 5% HSA) to a concentration of no less than 10 µg/mL and aliquot for storage at -20°C to -80°C for 3 to 6 months. If serum-free experiments are required, a 5% trehalose solution can be used as a carrier instead. Avoid repeated freeze-thaw cycles.

## Storage

Physical Appearance	Storage	Stability
Lyophilized powder	-20°C to -80°C	1 year
Reconstitution (initial)	2°C to 8°C	Less than 1 week
Reconstitution (after dilution)	-20°C to -80°C	3 to 6 months

## Note

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.