

## HDGF2 Human

**Description:** HDGF2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 227 amino acids (1-203 a.a.) and having a molecular mass of 25.1kDa (Molecular weight on SDS-PAGE will appear higher). HDGF2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** CYPs-139

For research use only.

**Synonyms:** Hepatoma-derived growth factor-related protein 3, HRP-3, Hepatoma-derived growth factor 2, HDGF-2, HDGFRP3, HDGF2, CGI-142.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSHMARPRP REYKAGDLVF  
AKMKGYPHWP ARIDELPEGA VKPPANKYPI FFFGTHETAF LGPKDLFPYK EYKDKFGKSN  
KRKGFNEGLW EIENNPVVKF TGYQAIQQQS SSETEGEGGN TADASSEEG DRVEEDGKGK  
RKNEKAGSKR KKSYSKSS KQSRKSPGDE DDKDCKEEEN KSSSEGGDAG NDTRNTTSDL  
QKTSEGT.

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

HDGF2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab'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.

**Introduction:**

Hepatoma-derived growth factor, related protein 3 (HDGFRP3/HDGF2) is the original member of a family of polypeptides labeled HDGF related proteins (HRPs). The HDGF2 protein augments DNA synthesis and may play a part in cell proliferation. HDGF2 is expressed primarily in the testis and the brain, to an intermediate extent in the heart, and to a slight extent in the ovaries, kidneys, spleen, and liver in humans.

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