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## Product Data Sheet

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Product Name: HDGF2 Human  
 Cat. No.: GP20370  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Hepatoma-derived growth factor-related protein 3; HRP-3; Hepatoma-derived growth factor 2; HDGF-2; HDGFRP3; HDGF2; CGI-142.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMMARPRP REYKAGDLVF AKMKGYPHWP ARIDELPEGA VKPPANKYPI FFFGTHETAF LGPKDLFPYK EYKDKFGKSN KRKGFNEGLW EIENNPGVKF TGYQAIQQQS SSETEGEGGN TADASSEEEG DRVEEDGKKGK RKNEKAGSKR KKSYSKSS KQSRKSPGDE DDKDCKEEEN KSSSEGGDAG NDTRNTTSDL QKTSEGT.		
Formulation	HDGF2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.		

### 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.

### 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.

### Background

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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His-tag at N-terminus & purified by proprietary chromatographic techniques.

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