

# Recombinant human HRP-3/HDGFL3 protein

Catalog Number: ATGP1366

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-203aa

### UniProt No.

Q9Y3E1

### NCBI Accession No.

NP\_057157

### Alternative Names

HDGF2, HDGFRP3, Hepatoma derived growth factor related protein 3, HRP3

## PRODUCT SPECIFICATION

---

### Molecular Weight

25.1 kDa (227aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### Description

Hepatoma-derived growth factor, related protein 3, also known as HDGFRP3, is the original member of a family of polypeptides designated HDGF related proteins (HRPs). This protein enhances DNA synthesis and may play a role in cell proliferation. HDGFRP3 is expressed predominantly in the testis and brain, to an intermediate extent in the heart, and to a slight extent in the ovaries, kidneys, spleen, and liver in humans. Recombinant human HDGFRP3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

## Recombinant human HRP-3/HDGFL3 protein

Catalog Number: ATGP1366

### Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHEMARPRP REYKAGDLVF AKMKGYPHWP ARIDELPEGA VKPPANKYPI FFFGTHETAF  
LGPKDLFPYK EYKDKFGKSN KRKGFNEGLW EIENNPVVKF TGYQAIQQS SSETEGEGGN TADASSEEG DRVEEDGKGG  
RKNEKAGSKR KKSYSKSS KQSRKSPGDE DDKDCKEEN KSSSEGGDAG NDRNTTSDL QKTSEGT

### General References

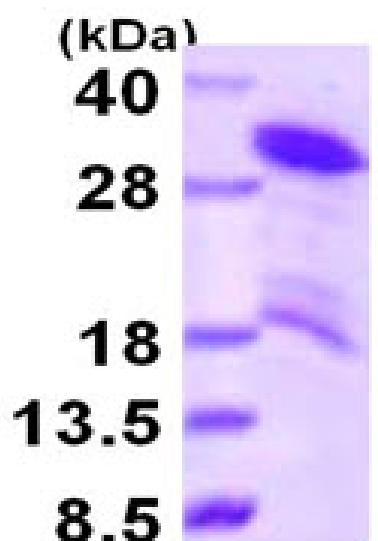
Abouzi MM., et al. (2004) *Biochem J.* 378:169-176.

Izumoto Y., et al. (1997) *Biochem Biophys Res.* 238:26-32.

## DATA

---

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)