

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.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHMARPRP REYKAGDLVF AKMKGYPHWP ARIDELPEGA VKPPANKYPI FFFGTHETAF
LGPKDLFPYK EYKDKFGKSN KRKGFNEGLW EIENNPVGKF TGYQAIQQS SSETEGEGGN TADASSEEG DRVEEDGKGK
RKNEKAGSKR KKSYSKSS KQSRKSPGDE DDKDCKEEEN KSSSEGGDAG NDTRNTTSDL QKTSEGT

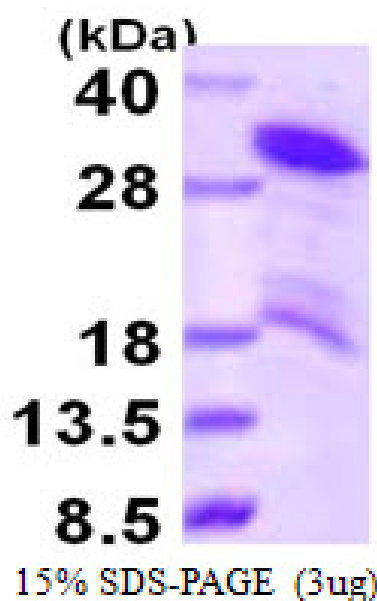
General References

Abouzied 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.