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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Hepatoma-Derived Growth Factor-2, His Tag, human recombinant (rHuHDGF2-His)

Catalog No: 97475
Lot No: XXXXX
Source: *E. coli*
Synonyms: Hepatoma-derived growth factor-related protein 3, HRP-3, Hepatoma-derived growth factor 2, HDGF-2, HDGFRP3, HDGF2, CGI-142

Background

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.

Description

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

Physical Appearance

Sterile filtered clear solution.

Formulation

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

Purity

Greater than 90% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMMARPRP REYKAGDLVF AKMKGYPHWP ARIDELPEGA VKPPANKYPI FFFGTHETAF
LGPKDLFPYK EYKDKFGKSN KRKGFNEGLW EIENNPVKF TGYQAIQQQS SSETEGEGGN TADASSEEG DRVEEDGK GK
RKNEKAGSKR KKSYSKSS KQSRKSPGDE DDKDCKEEN KSSSEGGDAG NDTRNTTSDL QKTSEGT

Usage

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