



Recombinant Protein Technical Manual

Recombinant Human HDGF Protein (His Tag)

RPES0664

Product Data:

Product SKU: RPES0664

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P51858

Protein Information:

Molecular Mass: 12.6 kDa

AP Molecular Mass: 14 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 1mM DTT, 1mM EDTA, pH 7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Hepatoma-Derived Growth Factor; HDGF; High Mobility Group Protein 1-Kike 2; HMGL2; HDGF; HMG1L2

Immunogen Information:

Sequence: Met 1-Tyr100

Background:

Hepatoma-Derived Growth Factor is a original member of the HDGF family. HDGF is a cytoplasmic protein and contains one PWWP domain. HDGF expression levels are high in the nucleus and cytoplasm of smooth muscle and endothelial cells. HDGF has proliferative, angiogenic and neurotrophic activity. HDGF was initially characterized as a secreted mitogen from the Huh-7 human hepatoma cell line. As a heparin-binding protein, which is highly expressed in tumor cells where it stimulates proliferation. HDGF has mitogenic activity for fibroblasts and acts as a transcriptional repressor. It has been shown that HDGF is linked with tumorigenesis and the growth of cancer.