

37-1318: Human FGF4 Recombinant Protein(Discontinued)

Reactivity : Human

Alternative Name : HBGF-4 Protein, HST Protein, HST-1 Protein, HSTF1 Protein, K-FGF Protein, KFGF Protein,

Description

Source : E. coli

FGF (fibroblast growth factor) signalling is known to be required for many aspects of mesoderm formation and patterning during *Xenopus* development and has been implicated in regulating genes required for the specification of both blood and skeletal muscle lineages. Fibroblast growth factor 4 (FGF4) signaling induces differentiation from embryonic stem cells (ESCs) via the phosphorylation of downstream molecules such as mitogen-activated protein kinase/extracellular signal-related kinase (MEK) and extracellular signal-related kinase 1/2 (ERK1/2). Fibroblast Growth Factor 4 (FGF-4) could not only increase the proliferation of bone marrow mesenchymal stem cells (BMSCs), but also induce BMSCs into hepatocyte-like cells in vitro. FGF4 transduced BMSCs contributed to liver regeneration might by the transplanted microenvironment. The FGF4-bFGF BMSCs thus can enhance the survival of the transplanted cells, diminish myocardial fibrosis, promote myocardial angiogenesis, and improve cardiac functions.

Product Info

Amount : Human FGF4 Recombinant Protein(Discontinued) / 100 µg

Purification : > 90 % as determined by SDS-PAGE.

Content : Formulation Lyophilized from sterile PBS, pH 8.0.
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Storage condition : Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Amino Acid : Ser54-Leu206

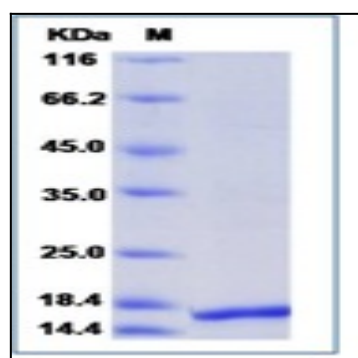


Fig 1: Human FGF4 Recombinant Protein