

37-1304: Human FGF18 / FGF-18 Recombinant Protein (His Tag)(Discontinued)

Reactivity : Human

Alternative Name : FGF-18 Protein, ZFGF5 Protein,

Description

Source : HEK293 Cells

Fibroblast growth factor 18 (FGF18) is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. It has been shown in vitro that FGF18 is able to induce neurite outgrowth in PC12 cells. Studies of the similar proteins in mouse and chick suggested that this protein is a pleiotropic growth factor that stimulates proliferation in a number of tissues, most notably the liver and small intestine. Experiment datas identified FGF18 as a selective ligand for FGFR3 in limb bud mesenchymal cells, which suppressed proliferation and promoted their differentiation and production of cartilage matrix. FGF18 appears to regulate cell proliferation and differentiation positively in osteogenesis and negatively in chondrogenesis.

Product Info

Amount : 18 Recombinant Protein (His Tag)(Discontinued) / 50 µg

Purification : > 92 % as determined by SDS-PAGE

Content : Formulation Lyophilized from sterile PBS, pH 7.4
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 : Met1-Ala207

Application Note

1. Measured by its binding ability in a functional ELISA. 2. Immobilized human FGF18 at 10 Åµg/mL (100 ÅµL/well) can bind Rat FGFR4 , The EC50 of Rat FGFR4 is 1.17 Åµg/mL.

Endotoxin :< 1.0 EU per Åµg of the protein as determined by the LAL method.

Other pack size also available.

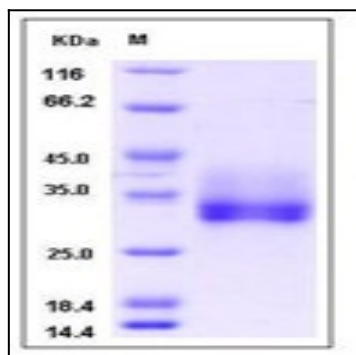


Fig 1: Human FGF18 / FGF-18 Recombinant Protein (His Tag)