

37-1212: Human FGF9 Recombinant Protein (Fc Tag)(Discontinued)

Reactivity : Human

Alternative Name : FGF-9 Protein, GAF Protein, HBFG-9 Protein, HBGF-9 Protein, SYNS3 Protein,

Description

Source : HEK293 Cells

Fibroblast growth factor 9 (FGF9) also known as Glia-activating factor or Heparin-binding growth factor 9, 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. This protein was isolated as a secreted factor that exhibits a growth-stimulating effect on cultured glial cells. In nervous system, this protein is produced mainly by neurons and may be important for glial cell development. Expression of the mouse homolog of this gene was found to be dependent on Sonic hedgehog (Shh) signaling. Mice lacking the homolog gene displayed a male-to-female sex reversal phenotype, which suggested a role in testicular embryogenesis. FGF9 plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. FGF9 may have a role in glial cell growth and differentiation during development, gliosis during repair and regeneration of brain tissue after damage, differentiation and survival of neuronal cells, and growth stimulation of glial tumors.

Product Info

Amount : Human FGF9 Recombinant Protein (Fc Tag)(Discontinued) / 20 µg

Purification : (81.9 + 13.9) %, 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 : Leu4-Ser208

Application Note

Measured in a cell proliferation assay using Balb/c 3T3 mouse embryonic fibroblasts. The ED50 for this effect is typically 2-10 ng/mL.

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

Other pack size also available.

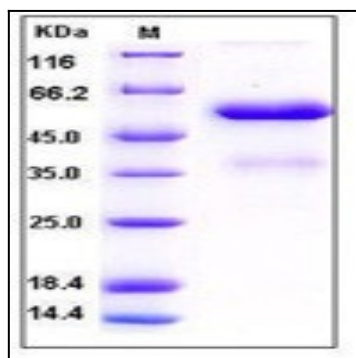


Fig 1: Human FGF9 Recombinant Protein (Fc Tag)

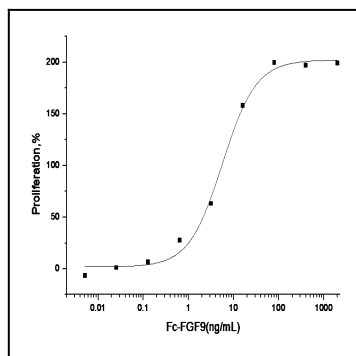


Fig 2: Human FGF9 Recombinant Protein (Fc Tag) measured in a cell proliferation assay using Balb/c 3T3 mouse embryonic fibroblasts.