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Recombinant Mouse FGF-1/aFGF Protein

Catalog No.: RP00487 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	14164	P61148

Tags
No tag

Synonyms
Fibroblast Growth Factor 1; FGF-1; Acidic Fibroblast Growth Factor; aFGF; Heparin-BindingGrowth Factor 1; HBGF-1; Fgf1; Fgf-1; Fgfa

Product Information

Source
E. coli

Purification
> 95% by SDS-PAGE.

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, pH7.5, 50 mM Na_2SO_4, 0.5 mM DTT, 1 mM EDTA. Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

FGF acidic is a 17 kDa nonglycosylated member of the FGF family of mitogenic peptides. FGF acidic, which isproduced by multiple cell types, stimulates the proliferation of all cells of mesodermal origin and many cells ofneuroectodermal, ectodermal, and endodermal origin. It plays a number of roles in development,regeneration, and angiogenesis. FGF-acidic is a non-glycosylated heparin binding growth factor that isexpressed in the brain, kidney, retina, smooth muscle cells, bone matrix, osteoblasts, astrocytes andendothelial cells. FGF-acidic has the ability to signal through all the FGF receptors.

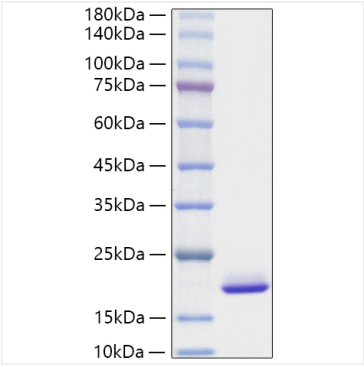
Basic Information

Description
Recombinant Mouse FGF-1/aFGF Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Phe16-Asp155) of mouse FGF1/FGFa/FGF acidic (Accession #P61148).

Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse FGF-1/aFGF Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15-25 kDa.