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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 Purification E. coli $\geq 95 \% as$

determined by SDS-

PAGE.

Calculated MW Observed MW

15.79 kDa 15-25 kDa

Endotoxin

< 0.1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μ m filtered solution of 20 mM Tris-HCl, pH7.5, 50 mM Na₂SO₄, 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 vortex 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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20° C. Store the lyophilized protein at -20° C to -80° C up to 1 year from the date of receipt.

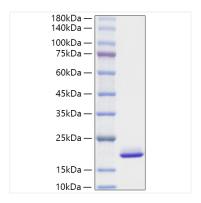
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Mouse FGF-1/aFGF Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.