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32-12064: Mouse Fibroblast Growth Factor-acidic

Gene : Fgf1
Gene ID : 14164
Uniprot ID : P61148
Alternative Name : Acidic fibroblast growth factor, Heparin-binding growth factor 1, Fgf-1, Fgfa

Description

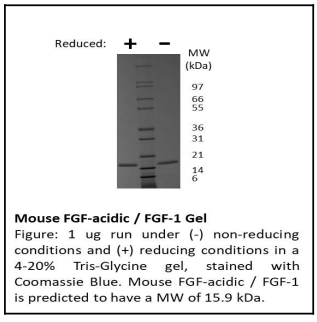
Source: Genetically modified E.coli.
Predicted MW: Monomer, 15.9 kDa (141 aa)
Acidic fibroblast growth factor (FGF-acidic), also known as FGF-1, is a potent inducer of DNA synthesis, cell proliferation, and has chemotactic activities. FGF-acidic regulates cardiogenesis through protein kinase C signaling. FGF-acidic also functions as an insulin sensitizer and mediates adipose tissue remodeling. High serum levels of FGF-acidic are associated with type 2 diabetes mellitus (T2DM), suggesting a pathogenic role of FGF-acidic during T2DM.

Product Info

Amount :	50 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 75 mM sodium chloride, pH 7.5 Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MFNLPLGNYK KPKLLYCSNG GHFLRILPDG TVDGTRDRSD QHIQLQLSAE SAGEVYIKGT ETGQYLAMDT EGLLYGSQTP NEECLFLERL EENHYNTYTS KKHAEKNWFV GLKKNGSCKR GPRTHYGQKA ILFLPLPVSS D

Application Note

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.



Mouse FGF-acidic / FGF-1 Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse FGF-acidic / FGF-1 is predicted to have a MW of 15.9 kDa.

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