

Recombinant human aFGF/FGF-1 protein (Active, E.coli)

Catalog Number: bs-48061P

Species: Human

AA Seq: 16-155/155

Predicted MW: 15.8

Tags: Tag free

Activity: Yes

Endotoxin: ≤ 10 EU/mg

Purity: $\geq 95\%$ as determined by SDS-PAGE.

Purification: AC

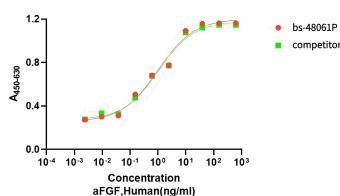
Form: Lyophilized

Storage: 20mM PB, 100mM NaCl+5% Trehalose, 0.05% Tween 80(pH=6.0)

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 36 months at -20°C to -80°C in lyophilized state. 6 months at -20°C to -80°C under sterile conditions after reconstitution. 7-10 days at 2°C to 8°C under sterile conditions after reconstitution.

Background: FGF1 also designated Heparin-binding growth factor 1 precursor (HBGF-1) ; Acidic fibroblast growth factor (aFGF). heparin-binding growth factors are angiogenic agents in vivo and are potent mitogens for a variety of cell types in vitro. There are differences in the tissue distribution and concentration of these 2 growth factors. Subunit si monomer.FGF1 belongs to the heparin-binding growth factors family. may play a role in neurite outgrowth; may regulate cell differentiation in the nervous system; may act in synergy with fibronectin to enhance neuronal cell adhesion.

VALIDATION IMAGES



Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast Cells. The ED50 for this effect is ≤ 2.0 ng/mL.