

Recombinant bovine bFGF/FGF-2 protein (Active, E.coli)

Catalog Number: bs-48062P

Species: Bovine

AA Seq: 10-155/155

Predicted MW: 16.5

Tags: Tag free

Activity: Yes

Endotoxin: ≤ 200 EU/mg

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

Purification: AC

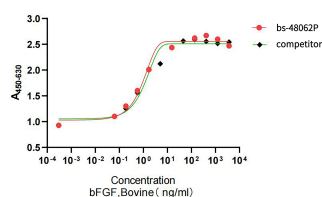
Form: Lyophilized

Storage: 10mM PB, 250mM NaCl, 5% Mannitol and 0.01% Tween 80 (pH=7.4)

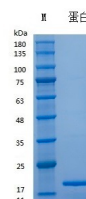
Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 36 months at -20°C to -80°C in lyophilized state. 6 months at -20°C to -80°C under sterile conditions after reconstitution. 7-10 days at 2°C to 8°C under sterile conditions after reconstitution.

Background: The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG initiation codons, resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF. [provided by RefSeq, Jul 2008].

VALIDATION IMAGES



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



The purity of the protein is greater than 95% as determined by reducing SDS-PAGE.