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FGF2
Recombinant Bovine/Porcine FGF-2

Catalog No.	CRF023A	**Quantity:**	10 µg
	CRF023B		50 µg
	CRF023C		1.0 mg

Alternate Names: Fibroblast growth factor 2, FGF-2, Basic fibroblast growth factor, Heparin-binding growth factor

Description: Fibroblast Growth Factor-basic (bFGF) plays a significant role in the process of wound healing, limb and nervous system development, tumor growth and is a potent inducer of angiogenesis. The heparin-binding growth factors are angiogenic agents in vivo and are potent mitogens for a variety of cell types in vitro. Bovine and porcine FGF2 share a high degree of sequence homology with similar activity for both species.

UniProt ID: P03969 bovine

Source: *E. coli*

Molecular Weight: 17.25 kDa (155 aa) monomer

Formulation: Lyophilized from a sterile-filtered 1 mg/ml solution in PBS, containing 1% HSA.

Purity: > 97% by SDS-PAGE and HPLC analyses.

Endotoxin Level: < 1 EU/µg by LAL analysis

Biological Activity: ED_{50} < 0.1 ng/ml, by cell proliferation assay using quiescent NR6R-3T3 fibroblasts

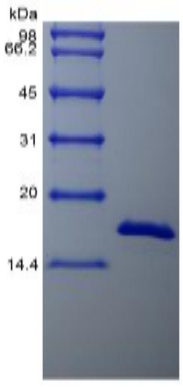
Specific Activity: 3 x 10^6 units/mg

N-terminal Sequence: Met-Ala-Ala-Gly-Ser

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL.

Storage & Stability: Upon receipt, store at -20°C to -80°C for up to 1 year. After reconstitution, the preparation is stable for up to 1 week at 2-8°C or for 3 months when stored in working aliquots at at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

SDS-PAGE



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