

Bovine FGF-2 Recombinant Protein



RPPB0210

Product Information Protein Information

Product SKU:

RPPB0210

Accession:

P03969

Host:

Escherichia Coli.

Protein description:

FGF-2 Bovine Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 155 amino acids and having a molecular mass of 17250 Dalton. The Fibroblast Growth Factor 2 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

HBGH-2, HBGF-2, Prostatropin, FGF-2, FGB-b.

Formulation:

The FGF-b Bovine was lyophilized from a concentrated (1mg/ml) sterile solution containing 1% HSA.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Fibroblast Growth Factor-2 Bovine Recombinant in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Fibroblast Growth Factor 2 Bovine although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-b Bovine Recombinant should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ala-Ala-Gly-Ser.

Biological Activity:

The ED₅₀, measured in a mitogenic assay using quiescent NR6R-3T3 fibroblasts was found to be <0.1ng/ml, corresponding to a specific activity of 3 x 10⁶ Units/mg.