



Recombinant Bovine FGF, Basic Datasheet

Catalog Number: PR27002

Product Type: Recombinant Protein

Source: *E.coli*

Description/Molecular Mass: 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

Protein Content: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm using the absorbency value of 0.85 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).
2. Analysis by RP-HPLC, using a standard solution of FGF-basic as a Reference Standard.

Biological Activity: The ED₅₀ measured in a mitogenic assay using quiescent NR6R-3T3 fibroblasts was found to be less than 0.1 ng/ml, corresponding to a specific activity of 3MIU/mg

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

Format: The protein was lyophilized from a concentrated (1mg/ml) sterile solution containing 1% HSA.

Reconstitution: 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.

Storage: Lyophilized Fibroblast Growth Factor 2 Bovine although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-2 Bovine Recombinant should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Please avoid freeze-thaw cycles.

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