

**Product:** Fibroblast Growth Factor-basic, Murine, Recombinant  
**Catalog #:** 11-FGFb-M  
**Amount:** 5 µg

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**DESCRIPTION:** Recombinant Mouse FGF-b (FGF-2) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 145 amino acids and having a molecular mass of 16320 Dalton.  
The rHuFGF-b is purified by proprietary chromatographic techniques.  
The sequence of the first five N-terminal amino acids was determined and was found to be Pro-Ala-Leu-Pro-Glu.

**SOURCE:** *Escherichia Coli.*

**PURITY:** Greater than 95.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC.  
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

**ENDOTOXIN:** Less than 0.1 ng/µg (IEU/µg) of rHuFGF-b.

**DIMERS & AGREGATES:** Less than 1% as determined by silver-stained SDS-PAGE gel analysis

**FORM:** Purified

**PROTEIN CONTENT:** Protein quantitation was carried out by two independent methods:  
1. UV spectroscopy at 280 nm using the absorbency value of 0.885 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 calibrated solution of FGF-b as a Reference Standard.

**BIOLOGICAL ACTIVITY:** rHuFGF-b is fully biologically active when compared to standards.  
The ED50, calculated by the dose-dependant proliferation of BALB/3T3 cells is <0.5 ng/ml

**STORAGE:** -20°C (aliquot), avoid repeated freeze and thaw cycles

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489 Common Street, Belmont, MA 02478, USA; Email: info@arpl.com or staff@arpl.com  
Phone: 800-832-2611 or 617-489-1120 Fax: 888-832-2613 or 617-489-5120