

Certificate of Origin

Product: Recombinant Mouse Fibroblast Growth Factor Basic (FGF-b)

Catalog Numbers: PMG0031, PMG0033, PMG0034, PMG0035

Country of Manufacture: These products are manufactured in the United States

Raw Material Information: The recombinant FGF-b is produced by bacterial fermentation of *E. coli*. The product contains no materials directly of animal origin. The product does utilize animal derived components in the manufacturing process.

Animal Derived Components: The fermentation feed contains tryptone derived from bovine milk of US or Australian origin. The fermentation media is sterilized at 122.5°C for 45 minutes, 15 psi. FGF-b is purified by immobilized metal affinity chromatography (non-animal). The leader sequence is cleaved by recombinant Tobacco Etch Virus Protease manufactured in *E. coli*. The final purification step is heparin-sepharose chromatography. Heparin is derived from porcine tissue from China.

For further information contact Technical Support at (800) 955-6288 or techsupport@invitrogen.com.

Donna L. Anderson
Regulatory Affairs
BioSource Cytokines and Signaling
Invitrogen Corporation