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Data Sheet

FGF2/bFGF (human, recombinant)

Catalog #: 90300-1

Description: Recombinant human soluble basic FGF (GenBank Accession No. NM_002006) is a 17.3 kDa (134 aa-288 aa) protein expressed in an *E.coli* expression system.

Source: *E.coli*

Stability: The lyophilized protein is stable for at least 2 years from date of receipt at -20°C.

Purity: >98% by SDS-PAGE and HPLC analysis.

Endotoxin Level: < 1EU per µg of bFGF as determined by the LAL method.

Formulation: Lyophilized from sterile filtered 5 mM Tris, pH 7.5, 150 mM NaCl.

Biological Activity: Measured by its ability to stimulate proliferation of NIH3T3 cells. The ED₅₀ of this effect is between 0.1 - 1 ng/ml.

References:

1. Derivation of pluripotential embryonic stem cells from murine primordial germ cells in culture. *Cell* **70(5)**, 841-847 (1992).
2. Differentiation of human embryonic stem cells into insulin-producing clusters. *Stem Cells*. **22(3)**, 265-74 (2002).

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