



普飞生物®

## Human FGF-basic, Recombinant

Cat NO.	1106-050
Quantity:	50 µg
Lot NO.	0616431

- Important Note:** Centrifuge before opening to ensure complete recovery of vial content
- Description:** Human FGF-basic, Recombinant
- Human Fibroblast Growth Factor-basic (FGF-basic), Recombinant
- Recombinant Human FGF-basic (FGF-2) is a single, non-glycosylated, polypeptide chain containing 154amino acids and having a molecular weight of 17.2KD. The sequence of the first five N-terminal amino acids was determined to be Ala-Glu-Gly-Glu-Ile.
- Source:** E. coli
- Format:** Purified, Lyophilized
- Reconstitute using sterile deionized water to a concentration >100ug/ml.
- Further dilutions can be made in other aqueous buffers.
- Endotoxin:** ≤0.1 ng/µg
- Purification:** >96% pure (RP-HPLC and SDS-PAGE). Purified by chromatographic techniques
- Product is sterile filtered.
- Concentration:** 1mg/ml (OD280nm, E<sup>0.1%</sup> = 0.8511) (prior to lyophilization)
- Buffer:** Lyophilized from PBS, pH 7.4
- Preservative:** None
- Applications:** The ED<sub>50</sub> as determined by the dose-dependent proliferation of BAF3 cells expressing FGF receptors (measured by <sup>3</sup>H-thymidine uptake) is <0.5ng/ml, corresponding to a specific activity of 2 x 10<sup>6</sup> Units/mg.
- Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
- Storage:** The lyophilized product, though stable for 3 weeks at room temperature, is best stored at 4°C. After reconstitution, short term (up to 1 week) store at 2–8°C. Long term, add 0.1% HSA or BSA, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.
- Inactivation:** Not applicable
- Manufactured:** In USA

This product is for research use only. Not for use in diagnostic procedures.

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