



Meridian

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CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: A42118H **Lot #:** 15G19715

Description: Human FGF-Basic, Recomb.
Human Fibroblast Growth Factor-Basic (FGF-Basic), Recombinant

Recombinant Human FGF-Basic (FGF-2) is a single, non-glycosylated, polypeptide chain containing 154 amino acids and having a molecular weight of 17.2kDa. 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 $\geq 100 \mu\text{g/mL}$. Further dilutions can be made in other aqueous buffers.

Purification: $> 98.0\%$ pure (RP-HPLC and SDS-PAGE). Purified by chromatographic techniques.
Product is sterile filtered.

Concentration: 1 mg/mL (OD280nm, $E^{0.1\%} = 0.8511$) (prior to lyophilization).

Buffer: Lyophilized from PBS, pH 7.4.

Preservative: None

Applications: The ED₅₀ as determined by the dose-dependent proliferation of BAF3 cells expressing FGF receptors (measured by ³H-thymidine uptake) is $< 0.5 \text{ ng/mL}$, corresponding to a specific activity of $2 \times 10^6 \text{ Units/mg}$. 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 -20°C . After reconstitution, short term (up to 1 week) store at $2-8^\circ\text{C}$. Long term, add 0.1% HSA or BSA, aliquot and store at -20°C . Avoid multiple freeze/thaw cycles.

Inactivation: Not Applicable

Signature

15 Oct 2015

Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY