



Certificate of Analysis

Animal-Free FGF basic/bFGF Protein, Human (154a.a, His)

| | |
|-------------------|------------------------|
| Cat. No.: | HY-P7331AF |
| Batch No.: | 268447 |
| Species: | Human |
| Source: | E. coli |
| Tag: | N-His;N-His |
| Accession: | P09038-4 (A135-S288) |
| Gene ID: | 2247 |
| Molecular Weight: | Approximately 18.1 kDa |

ANALYTICAL DATA

| TEST | Specifications | Results |
|---------------------|---|------------|
| Purity | Greater than 95% as determined by reducing SDS-PAGE. | ≥95.0% |
| Endotoxin Level | <0.1 EU per 1 µg of the protein by the LAL method. | <0.1 EU/µg |
| Biological Activity | Measure by its ability to induce 3T3 cells proliferation. The ED ₅₀ for this effect is <1 ng/mL. The specific activity of recombinant human FGF-2 is approximately >5 x 10 ⁵ IU/mg. | <1 ng/mL |
| Appearance | Lyophilized powder. | |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. | |
| Storage & Stability | Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage. | |
| Shipping | Room temperature in continental US; may vary elsewhere. | |

Caution: Product has not been fully validated for medical applications. For research use only.

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