



Certificate of Analysis

Heat Stable FGF-basic Protein, Human

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|-------------------|--|
| Cat. No.: | HY-P701242 |
| Batch No.: | 394570 |
| Species: | Human |
| Source: | <i>E. coli</i> |
| Tag: | Tag Free |
| Accession: | P09038-4 (A135-S288) with an N-terminal M and several site mutations |
| Gene ID: | 2247 |
| Molecular Weight: | Approximately 17.1 kDa |

ANALYTICAL DATA

| TEST | Specifications | Results |
|---------------------|--|---------|
| Purity | Greater than 95% as determined by reducing SDS-PAGE. | ≥95.0% |
| Endotoxin Level | < 0.2 EU/μg of protein by gel clotting method | PASS |
| Biological Activity | Measure by its ability by a dose-response proliferation assay using human 3T3 cells. The ED ₅₀ for this effect is <0.25 ng/mL. The specific activity of this protein is > 4.0 × 10 ⁶ IU/mg. (It is recommended to experimentally determine the optimal concentration for each specific application by performing a dose response assay.) | PASS |
| Appearance | Lyophilized powder | |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μg/mL in PBS. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose). | |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). 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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