



Certificate of Analysis

Heat Stable FGF-basic Protein, Human

Cat. No.:	HY-P701242
Batch No.:	394560
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.)	<0.25 ng/mL
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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