



Certificate of Analysis

FGF-21 Protein, Mouse

Cat. No.:	HY-P7173
Batch No.:	412700
Species:	Mouse
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	Q9JJN1 (A29-S210)
Gene ID:	56636
Molecular Weight:	Approximately 20-23 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<0.2 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using NIH-3T3 mouse embryonic fibroblast cells. The ED ₅₀ for this effect is ≤1.001 μg/mL in the presence of 1 μg/mL Recombinant Human Klotho beta, corresponding to a specific activity is ≥ 989.12 units/mg.	0.6181 μg/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in sterile distilled water or aqueous buffer containing 0.1% BSA.	
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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