



Certificate of Analysis

FGF-21 Protein, Human (CHO, His)

Cat. No.:	HY-P7345
Batch No.:	249093
Species:	Human
Source:	CHO
Tag:	C-His
Accession:	Q9NSA1 (H29-S209)
Gene ID:	26291
Molecular Weight:	approximately 23.3 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using NIH-3T3 <i>mouse embryonic fibroblast cells</i> . The ED_{50} for this effect is <5.179 μg/mL in the presence of 1 μg/mL Recombinant Human Klotho beta.	5.179 μg/mL
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. 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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