



Certificate of Analysis

Animal-Free IGF-I/IGF-1 Protein, Human (His)

Cat. No.: HY-P700093AF
Batch No.: 260864
Species: Human
Source: *E. coli*
Tag: C-His
Accession: P05019 (G49-A118)
Gene ID: 3479
Molecular Weight: Approximately 8.59 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.01 EU per 1 µg of the protein by the LAL method.	PASS
Biological Activity	Measure by its ability to induce MCF-7 cells proliferation. The ED ₅₀ for this effect is 0.9-3.1 ng/mL. The specific activity of recombinant human IGF-I is approximately >1.2 x 10 ³ IU/mg.	PASS
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 for 2 years. 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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