



Certificate of Analysis

GH/Somatotropin Protein, Human

Cat. No.: HY-P7183
Batch No.: 59870
Species: Human
Source: *E. coli*
Tag: Tag Free
Accession: P01241 (F27-F217)
Gene ID: 2688
Molecular Weight: 19-25 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<1.0 EU/μg, determined by LAL method.	PASS
Biological Activity	ED ₅₀ < 0.5 ng/mL, measured by a cell proliferation assay using Nb2-11 Cells, corresponding to a specific activity of > 2.0 × 10 ⁶ units/mg.	PASS
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. 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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