



# Certificate of Analysis

## GH1/Somatotropin Protein, Human (HEK293, N-His, C-Myc)

Cat. No.: HY-P700412  
 Batch No.: 376374  
 Species: Human  
 Source: HEK293  
 Tag: C-Myc;N-10\*His  
 Accession: P01241 (F27-F217)  
 Gene ID: 2688  
 Molecular Weight: 27.2 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	≥90.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized GH1 at 1 μg/mL can bind human GHR, the EC <sub>50</sub> of the protein is ≤25.29 ng/mL.	5.661-8.019 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> 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 (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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