



Certificate of Analysis

Animal-Free Activin B Protein, Human (His)

Cat. No.: HY-P700013AF
 Batch No.: 268465
 Species: Human
 Source: *E. coli*
 Tag: C-His
 Accession: P09529 (G293-407A)
 Gene ID: 3625
 Molecular Weight: Approximately 13.75 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.	<1 EU/µg
Biological Activity	Measure by its ability to induce hemoglobin expression in K562 cells. The ED ₅₀ for this effect is <0.7 ng/mL. The specific activity of recombinant human Activin B is > 1.5 x 10 ⁶ IU/mg	<0.7 ng/mL
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL and not higher than 500 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 (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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