



# 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 <sub>50</sub> for this effect is <0.7 ng/mL. The specific activity of recombinant human Activin B is > 1.5 x 10 <sup>6</sup> IU/mg	<0.7 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. 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA