



Certificate of Analysis

Animal-Free Activin A Protein, Human/Mouse/Rat (His)

Cat. No.:	HY-P700159AF
Batch No.:	262581
Species:	Human;Rat;Mouse
Source:	<i>E. coli</i>
Tag:	C-His
Accession:	P08476 (G311-S426)
Gene ID:	3624
Molecular Weight:	Approximately 13.9 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.	PASS
Biological Activity	Measure by its ability to induce hemoglobin expression in K562 cells. The ED ₅₀ for this effect is ≤ 0.85 ng/mL. The specific activity of recombinant human Activin A is approximately >1.4 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.

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