



Certificate of Analysis

ACVR2A/Activin RIIA Protein, Human (HEK293, C-His)

Cat. No.:	HY-P7455A
Batch No.:	263424
Species:	Human
Source:	HEK293
Tag:	C-6*His
Accession:	P27037 (A20-P134)
Gene ID:	92
Molecular Weight:	Approximately 24-37 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to neutralize Activin A inhibitory effect of murine MPC-11 cells. The ED ₅₀ this effect is 0.0487 μg/ml in the presence of 7.5 ng/mL Activin A, corresponding to a specific activity is 2.05×10 ⁴ 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. 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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