



# Certificate of Analysis

## ACVR2B Protein, Mouse (HEK293, His)

Cat. No.:	HY-P75536
Batch No.:	316421
Species:	Mouse
Source:	HEK293
Tag:	C-His
Accession:	P27040 (S19-T134)
Gene ID:	11481
Molecular Weight:	23-37 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 ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED <sub>50</sub> for this effect is typically 0.3502 μg/mL in the presence of 10 ng/mL recombinant Activin A, corresponding to a specific activity is 2.856×10 <sup>3</sup> U/mg.	0.3502 μg/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. 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 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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