



Certificate of Analysis

BMPRII/ALK-6 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P76176
Batch No.:	309633
Species:	Mouse
Source:	HEK293
Tag:	C-hFc
Accession:	P36898 (K14-K126)
Gene ID:	12167
Molecular Weight:	Approximately 39.4 kDa.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	96.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit rhBMP-4-induced alkaline phosphatase production by ATDC5 mouse chondrogenic cells. The ED ₅₀ for this effect is 0.1346 μg/mL in the presence of 30 ng/mL of rhBMP-4. Corresponding to a specific activity is 7.429×10 ³ U/mg.	0.1346 μg/mL
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 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