



Certificate of Analysis

BMPR1A/ALK-3 Protein, Canine (HEK293, Fc)

Cat. No.:	HY-P76173
Batch No.:	273633
Species:	Canine
Source:	HEK293
Tag:	C-hFc
Accession:	NP_001138622.1 (Q24-R152)
Gene ID:	489077
Molecular Weight:	Approximately 55 kDa.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	97.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	<1 EU/μg
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 0.03309 μg/mL in the presence of 15 ng/mL of Recombinant Human BMP-4, corresponding to a specific activity is 3.022×10^4 units/mg.	0.03309 μg/mL
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.

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