



Certificate of Analysis

ALK-1 Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P75569
Batch No.:	400120
Species:	Cynomolgus
Source:	HEK293
Tag:	C-His
Accession:	XP_005570958 (D22-Q118)
Gene ID:	102143641
Molecular Weight:	Approximately 21-25 kDa due to the glycosylation.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit BMP-9-induced alkaline phosphatase production by ATDC5 mouse chondrogenic cells. The ED ₅₀ for this effect is 3.992 ng/mL in the presence of 2 ng/mL of rhBMP-9, corresponding to a specific activity is 2.505×10 ⁵ U/mg.	3.992 ng/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 (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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