



Certificate of Analysis

VEGF-AA Protein, Canine (HEK293)

Cat. No.:	HY-P73473
Batch No.:	254172
Species:	Canine
Source:	HEK293
Tag:	Tag Free
Accession:	NP_001103972.1 (M1-R190)
Gene ID:	403802
Molecular Weight:	Approximately 23 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	1.Immobilized canine VEGF164/VEGFA at 10 μg/mL (100 μL/well) can bind human VEGFR2-Fc and the EC ₅₀ is 33.83-78.95 ng/mL. 2.Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED ₅₀ for this effect is typically 2-12 ng/mL.	PASS (Test by method 1) 2 ng/mL (Test by method 2)
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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