



Certificate of Analysis

VEGF121 Protein, Human (120 a.a)

Cat. No.:	HY-P7420
Batch No.:	394885
Species:	Human
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P15692-9 (P28-R147)
Gene ID:	7422
Molecular Weight:	Approximately 28.2 kDa (Disulfide-linked homodimer)

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<0.2 EU/μg, determined by LAL method.	PASS
Biological Activity	The ED ₅₀ is ≤7.474 ng/mL as measured by HUVEC cells, corresponding to a specific activity of >1.34 × 10 ⁵ units/mg.	7.474 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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