



# Certificate of Analysis

## VEGF121 Protein, Human (HEK293)

Cat. No.:	HY-P73471
Batch No.:	145312
Species:	Human
Source:	HEK293
Tag:	Tag Free
Accession:	P15692-9 (M1-R147)
Gene ID:	7422
Molecular Weight:	Approximately 19.9&17.0 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	97.80%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized human VEGF121 at 10μg/mL (100μL/well) can bind human VEGFR2-Fc and the EC <sub>50</sub> is 5-50 ng/mL. Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC) and the ED <sub>50</sub> is typically 3-15 ng/mL.	Pass (Test by method 1) 4 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 <sub>2</sub> 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.**

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