

## VEGF121 Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78377
Synonyms:	VEGF-AA; MVCD1; VAS; Vascular endothelial growth factor A; VEGF; VPF
Species:	Human
Source:	HEK293
Accession:	P15692-9 (A27-R147)
Gene ID:	7422
Molecular Weight:	Approximately 18 kDa & 22-25 kDa

### PROPERTIES

Biological Activity	Immobilized Human VEGF121, His Tag at 2µg/ml (100ul/Well). Dose response curve for Biotinylated Human VEGFR1, His Tag with the EC <sub>50</sub> of 42ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, 250 mM Arginine, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
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 (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.

### DESCRIPTION

Background	VEGF145 Protein, characterized by limited expression, is not widely distributed across tissues or cell types. The restricted occurrence of VEGF145 suggests a specialized and possibly context-specific role in physiological processes. Further investigation is warranted to uncover the specific cellular contexts and functions in which VEGF145 is actively involved, shedding light on its potential contributions to localized biological activities.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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