

VEGF121 Protein, Human (HEK293)

Cat. No.:	HY-P73471
Synonyms:	VEGF-AA; MVCD1; VAS; Vascular endothelial growth factor A; VEGF; VPF
Species:	Human
Source:	HEK293
Accession:	P15692-9 (M1-R147)
Gene ID:	7422
Molecular Weight:	Approximately 19.9&17.0 kDa

PROPERTIES

Biological Activity	1. Immobilized human VEGF121 at 2µg/mL (100µL/well) can bind human VEGFR2-Fc and the EC ₅₀ is 5-50 ng/mL. 2. Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC) and the ED ₅₀ is typically 3-15 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants 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 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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