

# Active Recombinant Human VEGF-A/VEGF121 Protein

Catalog No.: RP01162 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	7422	P15692-9

### Tags

N-His

### Synonyms

MVCD1;VEGF;VPF

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

&lt; 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

This protein is a member of the PDGF/VEGF growth factor family. It encodes a heparin-binding protein, which exists as a disulfide-linked homodimer. This growth factor induces proliferation and migration of vascular endothelial cells, and is essential for both physiological and pathological angiogenesis. Disruption of this gene in mice resulted in abnormal embryonic blood vessel formation. This protein is upregulated in many known tumors and its expression is correlated with tumor stage and progression. Elevated levels of this protein are found in patients with POEMS syndrome, also known as Crow-Fukase syndrome.

## Basic Information

### Description

Active Recombinant Human VEGF-A/VEGF121 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala27-Arg147) of human VEGF121 (Accession #NP\_001165099.1) fused with a 6×His tag at the N-terminus.

### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human VEGF121 at 1 μg/mL (100 μL/well) can bind Recombinant Human VEGFR2 with a linear range of 4-10 ng/mL.

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

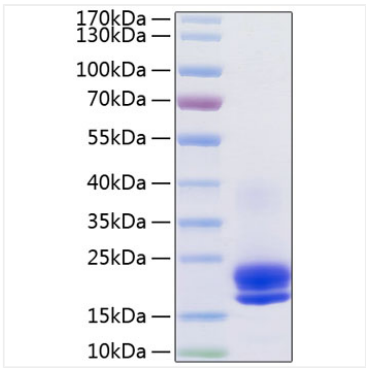
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

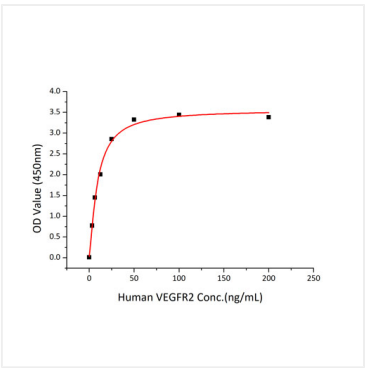
## Contact

| [www.abclonal.com](http://www.abclonal.com)

# Validation Data



Active Recombinant Human VEGF-A/VEGF121 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 17 kDa and 20 kDa.



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