

## Recombinant Human Tumor Necrosis Factor (Ligand) Superfamily, Member 11, His-Fc-Tagged

Cat. No. VEGFA-587H Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

Recombinant human VEGF A 165 is produced in CHO cells. By combining the Sequence of VEGFA and 6His.

#### Species

Human

#### Source

Human

#### Description

This gene is a member of the PDGF/VEGF growth factor family and encodes a protein that is often found as a disulfide linked homodimer. This protein is a glycosylated mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis and endothelial cell growth, promoting cell migration, and inhibiting apoptosis. Elevated levels of this protein is linked to POEMS syndrome, also known as Crow-Fukase syndrome. Mutations in this gene have been associated with proliferative and nonproliferative diabetic retinopathy. Alternatively spliced transcript variants, encoding either freely secreted or cell-associated isoforms, have been characterized. There is also evidence for the use of non-AUG (CUG) translation initiation sites upstream of, and in-frame with the first AUG, leading to additional isoforms.

#### Purity

>90%

#### Predicted N terminal

APMAEGGGQN

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<b>Molecular Mass</b>	Recombinant human VEGFA contains 165 amino acid residues, combining 6His, The MW is about 20kDa.
<b>Storage</b>	4μ for 6 months; -20μ for 1 year. Avoid repeated freezing and thawing.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	VEGFA vascular endothelial growth factor A [ Homo sapiens ]
<b>Official Symbol</b>	VEGFA
<b>Synonyms</b>	VEGFA; VPF; VEGF; VEGFA_HUMAN; Vascular permeability factor; VEGF-A; VEGFA; MGC70609; Vegf120; Vegf164; Vegf188 ; vascular endothelial growth factor A; MGC70609; Vascular endothelial growth factor A precursor; Vascular permeability factor
<b>Gene ID</b>	7422
<b>mRNA Refseq</b>	NM_001025366
<b>Protein Refseq</b>	NP_001020537
<b>MIM</b>	192240
<b>UniProt ID</b>	P15692
<b>Chromosome Location</b>	6p12
<b>Pathway</b>	Cytokine-cytokine receptor interaction; Focal adhesion; Pancreatic cancer; Renal cell carcinoma; VEGF signaling pathway; mTOR signaling pathway; Hemostasis;

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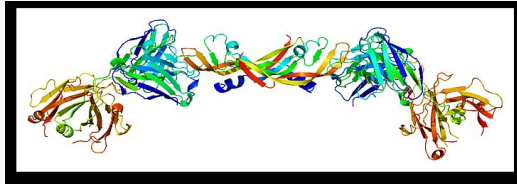
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Signaling by VEGF.

**Function**

cell surface binding ;extracellular matrix binding; growth factor activity; growth factor activity; heparin binding; platelet-derived growth factor receptor binding; protein binding; protein homodimerization activity; vascular endothelial growth factor receptor binding.

**PDB rendering  
basedon 1bj1.**



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