

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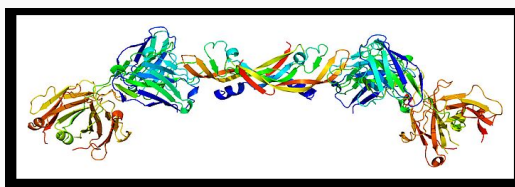
Molecular Mass	Recombinant human VEGFA contains 165 amino acid residues, combining 6His, The MW is about 20kDa.
Storage	4μ for 6 months; -20μ for 1 year. Avoid repeated freezing and thawing.
GENE INFORMATION	
Gene Name	VEGFA vascular endothelial growth factor A [Homo sapiens]
Official Symbol	VEGFA
Synonyms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

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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