

Active Recombinant Human VEGFA-121 Protein, Animal Free

Cat. No. VEGFA-51H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human VEGFA Protein without tag was expressed in Human cells. Animal Free and Xeno Free
Species	Human
Source	Human Cells
Description	Vascular endothelial growth factor (VEGF) is a potent growth and angiogenic cytokine. It is a member of the PDGF family that is characterized by the presence of eight conserved cysteine residues and a cystine knot structure VEGF stimulates angiogenesis, vasculogenesis and endothelial cell growth, induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Human express alternately spliced isoforms, and VEGF-121 is the only form that lacks a basic heparin binding region and is freely diffusible.
Bio-activity	The activity was measured by its ability to stimulate the proliferation of HUVEC cells (Human Umbilical Vein Endothelial Cells).
Molecular Mass	37 kDa homodimer, 50 kDa homotrimer
Endotoxin	<0.5 EU/ µg
Purity	High Purity, >95% by SDS-PAGE
Stability	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12

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months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.

Storage Buffer Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein

Reconstitution Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

GENE INFORMATION

Gene Name VEGFA vascular endothelial growth factor A [Homo sapiens (human)]

Official Symbol VEGFA

Synonyms VEGFA; vascular endothelial growth factor A; VPF; VEGF; MVCD1; vascular endothelial growth factor A; vascular endothelial growth factor A121; vascular endothelial growth factor A165; vascular permeability factor

Gene ID 7422

mRNA Refseq NM_003376

Protein Refseq NP_003367

MIM 192240

UniProt ID P15692

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