Active Recombinant Human VEGF165 Protein

Cat. No. VEGF165-372H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VEGF165 Protein is produced by Human Cells expression system. Structure: Glycosylated homodimer.
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. Humans express alternately spliced isoforms, and VEGF-165 is the most abundant and potent isoform. VEGF stimulates angiogenesis, vasculogenesis and endothelial cell growth, induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Recombinant human VEGF-165 is a 39-45kDa, disulfide-linked homodimeric protein consisting of two 165 amino acid polypeptide.
Form	Lyophilized from a 0.2μm filtered solution in PBS without carrier protein
Bio-activity	The activity was measured by its ability to stimulate the proliferation of HUVEC cells (Human Umbilical Vein Endothelial Cells).
Molecular Mass	39-45 kDa
Endotoxin	<0.5EU/ug

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Purity	>95% by SDS-PAGE
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 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.
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.

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