

## Active Recombinant Human VEGF165 Protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human VEGF165 Protein is produced by Human Cells expression system. Structure: Glycosylated homodimer.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	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.
<b>Form</b>	Lyophilized from a 0.2µm filtered solution in PBS without carrier protein
<b>Bio-activity</b>	The activity was measured by its ability to stimulate the proliferation of HUVEC cells (Human Umbilical Vein Endothelial Cells).
<b>Molecular Mass</b>	39-45 kDa
<b>Endotoxin</b>	<0.5EU/ug

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA