Active Recombinant Human VEGF121 Protein

Cat. No. VEGF121-371H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VEGF121 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 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. VEGF-121 induces the proliferation of lymphatic endothelial cells and the lymph angiogenesis may be promoted by up regulation of VEGF-121.
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	37 kDa homodimer, 50 kDa homotrimer
Endotoxin	<0.5EU/ug

Tel: 1-631-559-9269 1-516-512-3133
Email: 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 Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA