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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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VEGF165 Protein, Human/Cynomolgus, Recombinant

General Information

Synonyms:	Vascular permeability factor;L-VEGF;VEGF;VPF;VEGFA
Protein Construction:	A DNA sequence encoding the human / cynomolgus VEGF165 isoform (P15692-4) (Met1-Arg191) was expressed. Human and Cynomolgus VEGF165 sequences are identical.
Species:	Human, Cynomolgus
Expression Host:	Baculovirus Insect Cells
Accession:	P15692-4
Molecular Weight:	19.2 kDa (predicted); 20 and 22 kDa (reducing conditions, corresponding to the monomer)

QC Testing

Biological Activity:	Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED50 for this effect is typically 3-12 ng/mL.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU per µg of the protein as determined by the LAL method
Formulation:	Lyophilized from sterile 100mM Glycine, 10mM NaCl, pH 7.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Preparation and Storage

Reconstitution:	A hardcopy of datasheet with reconstitution instructions is sent along with the products. Please refer to it for detailed information.
Stability & Storage:	Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.
Shipping:	In general, Lyophilized powders are shipping with blue ice. Solutions are shipping with dry ice.

Protein Background

Vascular endothelial growth factor (VEGF), also known as vascular permeability factor (VPF) and VEGF-A, is a potent mediator of both angiogenesis and vasculogenesis in the fetus and adult. It is a member of the platelet-derived growth factor (PDGF)/vascular endothelial growth factor (VEGF) family and often exists as a disulfide-linked homodimer. VEGF-A 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, inhibiting apoptosis and tumor growth. VEGF-A protein is also a

vasodilator that increases microvascular permeability, thus it was originally referred to as vascular permeability factor.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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