


## Human VEGF165 protein

Cat #: PRP100240

Size: 5µg/ 100µg/ 500µg

### Product Information

	<b>Product Name:</b> Human VEGF165 protein		
<b>REF</b>	<b>Catalog Number:</b> PRP100240	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 95 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20C		<b>Preparation method:</b> Human Cells
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**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.

**Sequence:** Amino acid sequence derived from human VEGF165 isoform (P15692-4) (Met1-Arg191) was expressed. Human and *Cynomolgus* VEGF165 sequences are identical.

**Protein length:** The recombinant human VEGF165 consists of 165 amino acids and predicts a molecular mass of 19.2 KDa. It migrates as an approximately 20 and 22 KDa band in SDS-PAGE under reducing conditions.

**Formulation:** Lyophilized from sterile 100 mM Glycine, 10 mM NaCl, pH 7.0.

**Storage Instructions:** Lyophilized Human VEGF165 protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2 -7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human VEGF165 protein in sterile ddH<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

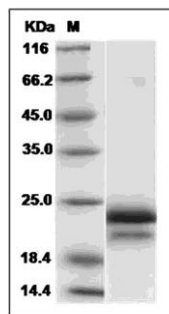


Fig. SDS-PAGE analysis of Human VEGF165 protein.

**Note:** The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.