


## Human VEGF165 Protein

Cat #: PRP1080

Size: 5 µg/20 µg/100 µg/1 mg

### Product Information

	<b>Product Name:</b> Human VEGF165 Protein		
<b>REF</b>	<b>Catalog Number:</b> PRP1080	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 98 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> <i>E.coli</i>
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** VEGF165, also known as Vascular Endothelial Growth Factor 165, is a protein that plays a critical role in angiogenesis, the process of forming new blood vessels from pre-existing ones. It belongs to the vascular endothelial growth factor family and is one of the most well-studied isoforms of VEGF. Human VEGF165 protein is a crucial regulator of angiogenesis, with implications in various physiological and pathological processes. Its study contributes to our understanding of blood vessel development, tissue repair, and the development of therapeutic strategies for diseases such as cancer.

**Sequence:** Amino acid sequence derived from Human VEGF165 (Ala27-Arg191) (P15692) was expressed.

**Protein length:** The recombinant Human VEGF165 consists of 165 amino acids and predicts a molecular mass of 19 kDa.

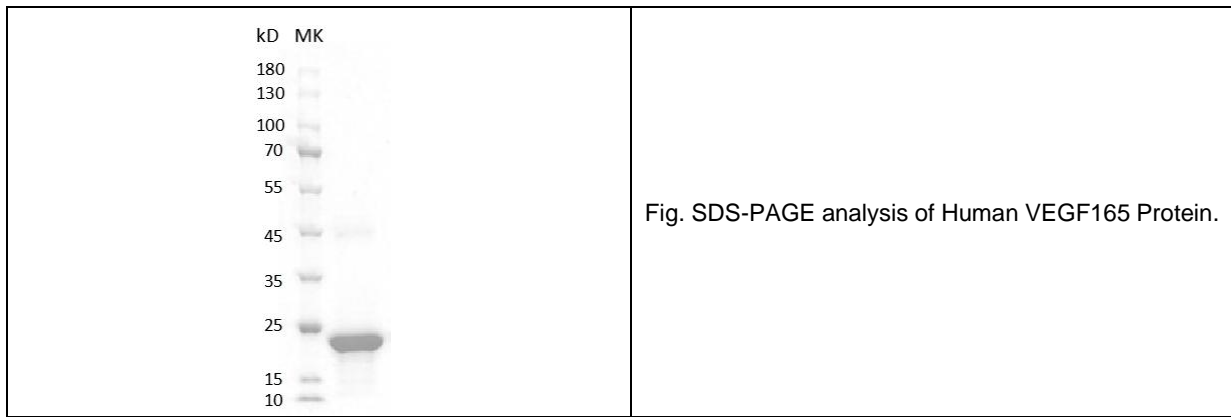
**Biological Activity:** Measured by its ability to induce proliferation in HUVEC-SV40 cells. The ED<sub>50</sub> for this effect is 22.30 ng/mL.

**Endotoxin:** <1 EU per µg of the protein by the LAL method.

**Formulation:** Liquid in sterile 20 mM Tris-HCl, 150mM NaCl, 10% glycerol, 2 mM EDTA, pH8.5.

**Storage Instructions:** The protein product should be stored desiccated below -20°C. The protein should be stored at 4°C between 2-7 days and for future use below -20°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 dilute the protein using the PBS buffer or Protein storage solution to working concentration.



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