


## Human VEGF165 protein, His tag (Animal-Free)

Cat #: PRP1054

Size: 5 µg/20 µg/100 µg/1 mg

### Product Information

	<b>Product Name:</b> Human VEGF165 protein, His tag (Animal-Free)		
<b>REF</b>	<b>Catalog Number:</b> PRP1054	<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 protein (Ala207-Arg395)(NP\_001165097) was expressed with 6xHis tag at the C-terminus.

**Protein length:** The Human VEGF165 protein consists of 189 amino acids and has a predicted molecular mass of 20.1 kDa.

**Biological Activity:** Measure by its ability to induce HUVEC cells proliferation. The ED<sub>50</sub> for this effect is <5 ng/mL. The specific activity of recombinant human VEGF165 is approximately >1.4 x 10<sup>6</sup> IU/mg.

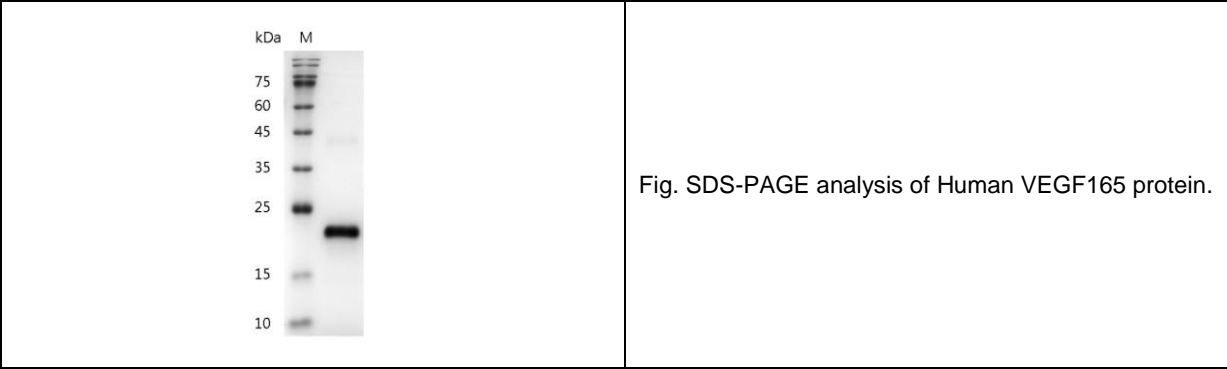
**Endotoxin:** < 0.1 EU per µg of the protein as determined by the LAL method.

**Formulation:** Lyophilized from sterile PBS, pH 8.0.

**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 (5% HSA, 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized protein to a

concentration of 0.1-1 mg/mL in sterile ddH<sub>2</sub>O, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



**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.