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Human VEGF165 protein

Cat #: PRP1054 Size: 5μg/20μg/100μg/1mg

Product Information

	Product Name: Human VEGF165 protein		
REF	**Catalog Number:** PRP1054	LOT	**Lot Number:** Refer to product label
	Purity: > 98 % as determined by SDS-PAGE		
	**Storage:** Store at -20°C		**Preparation method:** E.coli
	Shipping: 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 with 6×His tag at 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_{50} for this effect is <5 ng/mL.

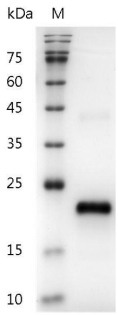
Endotoxin: < 0.1 EU per μg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 8.0.

Storage Instructions: Lyophilized 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_2O, and keep at room temperature for at least 20 min to fully dissolve. Please

avoid vortex vigorously.

	Fig. SDS-PAGE analysis of Human VEGF165 protein.

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