


Human VEGF121 protein

Cat #: PRP100006

Size: 10µg/100µg/1mg

Product Information

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|---|---|------------|---|
| | Product Name: Human VEGF121 protein | | |
| REF | Catalog Number: PRP100006 | LOT | Lot Number: Refer to product label |
| | Purity: (55.6 + 41.6) % as determined by SDS-PAGE | | |
|  | Storage: Store at -20°C | | Preparation method: Human Cells |
| | Shipping: 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 VEGF 121 isoform (P15692-9) (Met1-Arg147) was expressed.

Protein length: The recombinant human VEGF consists of 121 amino acids and has a predicted molecular mass of 14 kDa. The apparent molecular mass of the human VEGF 121 is approximately 19.9 and 17.0 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized Human VEGF121 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 VEGF121 protein in sterile ddH₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

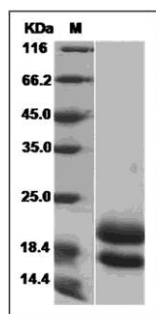


Fig. SDS-PAGE analysis of Human VEGF121 protein.

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