


Mouse VEGF121 Protein, His tag (Animal-Free)

Cat #: PRP1186

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse VEGF121 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1186	LOT	Lot Number: Refer to product label
	Purity: > 95 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: Vascular Endothelial Growth Factors 121 (VEGF121) is a truncated version of VEGF165. There are three different isoforms (120, 164 and 188 a.a.) found in mouse. VEGF 121 shows that lack basic heparin-binding regions and is freely diffusible. Mouse VEGF121 shares 98% identity with corresponding regions of rat, 89% with canine, feline, equine and porcine, and 87% with human, ovine and bovine VEGF, respectively.

Sequence: Amino acid sequence derived from Mouse VEGF121 (Ala 205-Arg 392) (Q00731) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Mouse VEGF121 consists of 188 amino acids and predicts a molecular mass of 15.01 kDa.

Biological Activity: Measured by its ability to induce proliferation in HUVEC cells. The ED₅₀ for this effect is <3 ng/mL.

Endotoxin: <0.1 EU per 1 µg of the protein by the LAL method.

Formulation: Lyophilized from 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 recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.

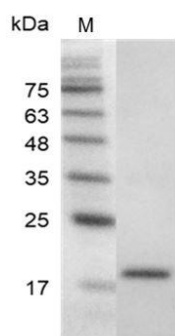


Fig. SDS-PAGE analysis of Mouse VEGF121 protein.

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