


Mouse/Rat VEGF165 Protein, His tag (Animal-Free)

Cat #: PRP1145

Size: 5 ug/20 ug/100 ug/1 mg

Product Information

	Product Name: Mouse/Rat VEGF165 Protein , His tag (Animal-Free)		
REF	Catalog Number: PRP1145	LOT	Lot Number: Refer to product label
	Purity: > 98 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: <i>E.coli</i>
	Shipping: The product is shipped at ambient temperature.		

Background: Beta-Nerve Growth Factors (Beta-NGF) is a 27 kDa cytokine with 241 amino acid residues. Beta-NGF belongs to neurotrophin family, and acts as neurotrophic factors. It's composed of alpha, beta, gamma subunits, and the beta subunit is related to its biological activity. Beta-NGF binds to p75 neurotrophin receptor and Trk receptor and their function is about cell death and survival, respectively.

Sequence: Amino acid sequence derived from Mouse/Rat VEGF 165 Protein (Met 3530Arg 3668)(NP_0335313) was expressed with 6xHis tag at the C-terminus .

Protein length: The protein has a calculated MW of 20.22 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).

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

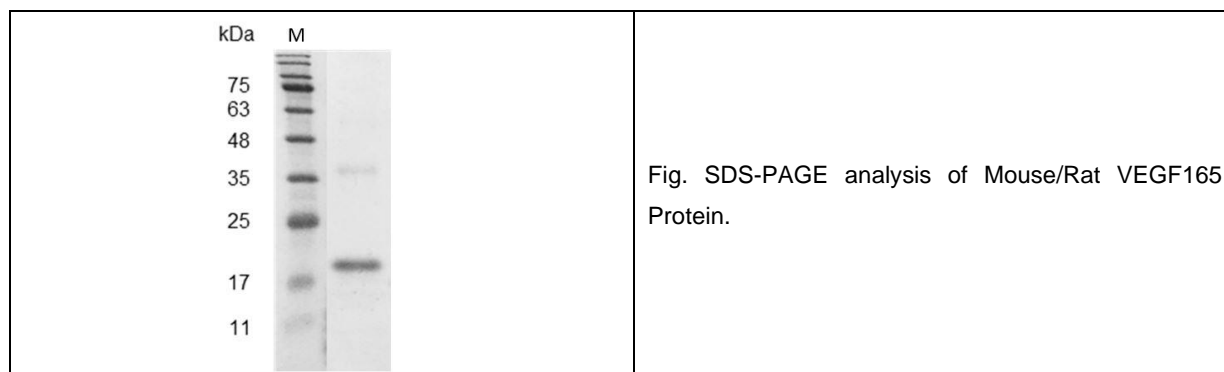
Endotoxin: <0.1 EU per 1 µg of the protein by the LAL method.

Formulation: The protein was lyophilized from a 0.2 µm filtered solution containing 1X 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 Mouse/Rat VEGF 165 Protein to a concentration of 0.1-1 mg/mL in sterile ddH₂O, 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.