

Recombinant Human VEGF 165 Protein, His Tag

产品信息

产品名称	产品编号	规格
Recombinant Human VEGF 165 Protein, His Tag	91502ES10	10 µg
	91502ES60	100 µg
	91502ES76	500 µg

产品简介

VEGF 165, 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 VEGF 165 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.

性能参数

Synonyms	MVCD1, VAS, vascular endothelial growth factor A, VEGF, VEGFA, VPF
Uniprot No.	P15692-4
Source	HEK293 cells-derived human VEGF 165 protein, Ala27-Arg191, with C-terminal his tag.
Molecular Weight	The protein has a predicted MW of 20.25 kDa. And it migrates as 20-28 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity	> 90% as determined by SDS-PAGE.
Endotoxin	< 1 EU per µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS.
Reconstitution	Centrifuge tubes before opening. Dissolve lyophilized protein with PBS to ensure the concentration is greater than 100 µg/mL. Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

注意事项

1. Please operate with lab coats and disposable gloves, for your safety.
2. This product is for research use only.

产品数据

SDS-PAGE

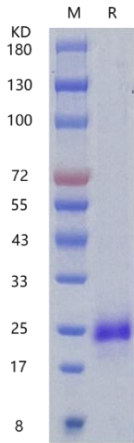


Figure 1. Human VEGF 165 on SDS-PAGE under reduced condition. The purity is greater than 90%.

Bioactivity-Cell based assay

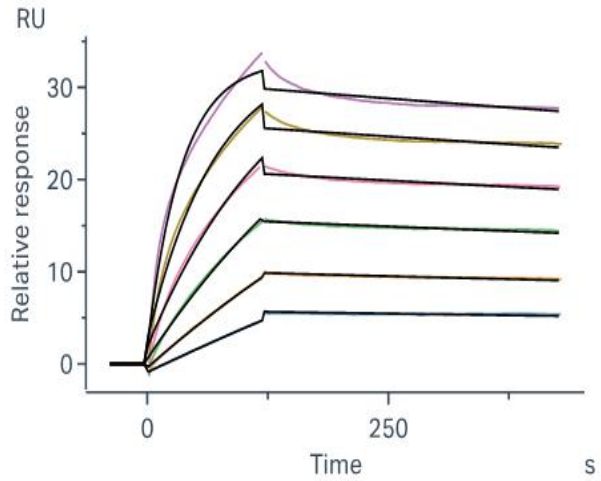


Figure 2. Human VEGFR1 immobilized on CM5 chip can bind human VEGF 165, his tag with an affinity constant of 1.26×10^{-10} M as determined in a SPR assay (Biacore 8K).