

RP02095

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Recombinant Human VEGF-A/VEGF165 Protein

Catalog No.: RP02095 **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human | 7422 | P15692-4 |

Tags

No Tag

Synonyms

VEGFA; MVCD1; VEGF; VPF; vascular endothelial growth factor A; MVCD1; VEGF; VPF; L VEGFA; VEGF A

Product Information

| Source | Purification |
|--------------|---|
| HEK293 cells | > 95% by Tris-Bis PAGE; > 95% by SEC-HPLC |

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

Basic Information

Description

Recombinant Human VEGF165 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ala27-Arg191) of Human VEGF165 fused with no tag .

Bio-Activity

Storage

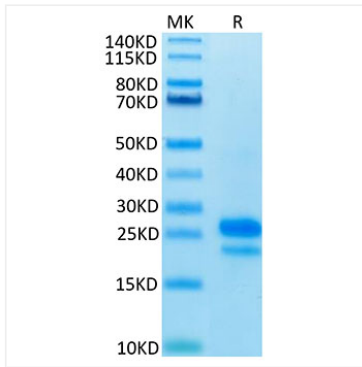
Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

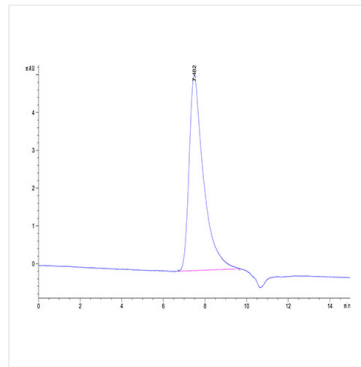


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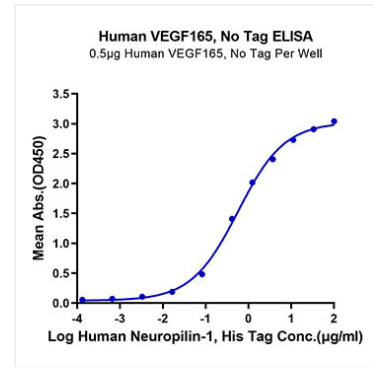
Validation Data



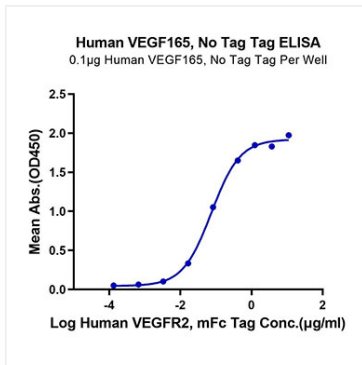
Human VEGF165 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



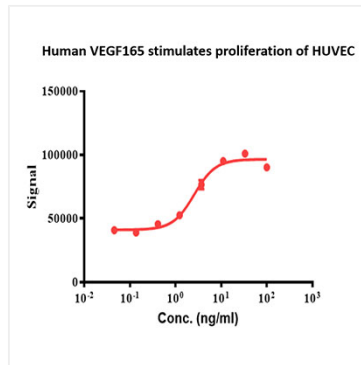
The purity of Human VEGF165 is greater than 95% as determined by SEC-HPLC.



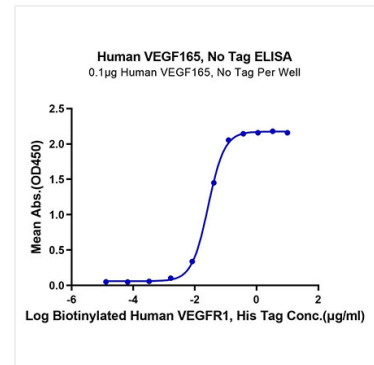
Immobilized Human VEGF165, No Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human Neuropilin-1, His Tag with the EC₅₀ of 0.57µg/ml determined by ELISA.



Immobilized Human VEGF165 at 1µg/ml (100µl/well) on the plate. Dose response curve for Human VEGFR2, mFc Tag with the EC₅₀ of 74.2ng/ml determined by ELISA.



Human VEGF165 stimulates proliferation of human umbilical vein endothelial cells (HUVEC) with the ED₅₀ for this effect is 2.57ng/mL.



Immobilized Human VEGF165 at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human VEGFR1, His Tag with the EC₅₀ of 26.9ng/ml determined by ELISA.