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Biotinylated Recombinant Human VEGF-A/VEGF165 Protein

Catalog No.: RP02097 Recombinant 1 Publications

Sequence Information

Species	Gene ID	Swiss Prot
Human	7422	P15692-4

Tags
C-His&Avi

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

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
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

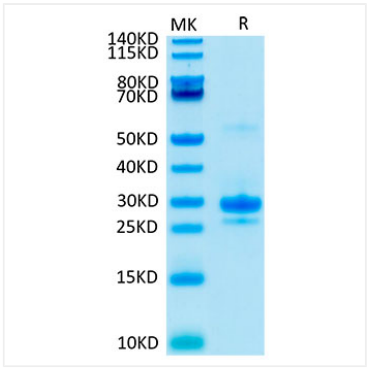
Basic Information

Description
Biotinylated Recombinant Human VEGF165 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ala27-Arg191) of Human VEGF165 fused with a His tag and Avi tag at the C-terminal. .

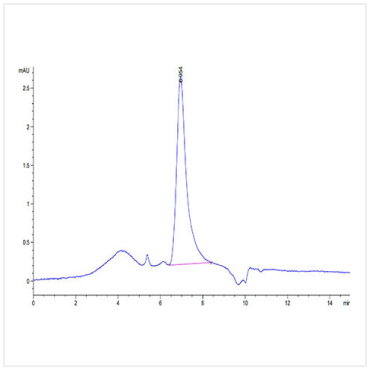
Bio-Activity
Immobilized biotinylated Human VEGFR1 at 0.5 μg/mL (100 μL/Well).Dose response curve for Biotinylated Human VEGF165 with the EC_{50} of 26.17 ng/mL determined by ELISA.

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.

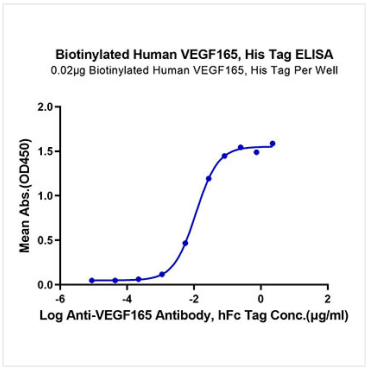
Validation Data



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



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



Immobilized Biotinylated Human VEGF165 at 0.2μg/ml (100μl/Well) on the plate. Dose response curve for Anti-VEGF165 Antibody, hFc Tag with the EC_{50} of 11.3ng/ml determined by ELISA.