Biotinylated Recombinant Human VEGF-A /VEGF165 Protein

Catalog No.: RP02097B

Sequence Information

Species
Human

Gene ID
7422

Swiss Prot
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
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW
22.2 kDa

Observed MW
28-35 kDa

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.

Background

Vascular endothelial growth factor (VEGF or VEGF-A), also known as vascular permeability factor (VPF), is a potent mediator of both angiogenesis and vasculogenesis in the fetus and adult. VEGF165 appears to be the most abundant and potent isoform, followed by VEGF121 and VEGF189.

Basic Information

Description
Biotinylated Recombinant Human VEGF-A/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. .

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

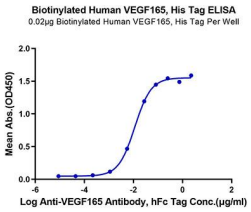
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

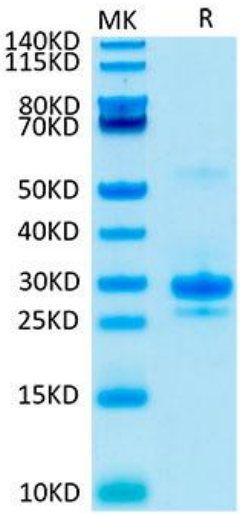
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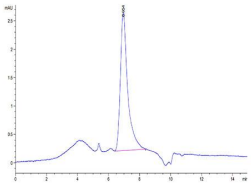
Validation Data



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.



Biotinylated Recombinant Human VEGF-A/VEGF165 Protein was determined by Tris-Bis PAGE under reducing conditions.



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

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