

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name: VEGF-A165, Human

Cat. No.: Z02689-10; Z02689-50; Z02689-100; Z02689-1

Lot No.: P50121612

Size: 10 µg/vial; 50 µg/vial; 100 µg/vial; 1mg/vial

Storage Condition: Lyophilized recombinant human Vascular Endothelial Growth Factor-165 (rhVEGF165) remains stable up to 12 months at lower than -70° C from date of receipt. Upon reconstitution, rhVEGF165 should be stable up to 4 week at 4°C or up to 6 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) can be added. Avoid repeated freeze-thaw cycles.

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### Quality Control

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE )	> 95%	98.7%
Biological Activity (ED <sub>50</sub> )	< 5 ng/mL	1.10 ng/mL
Molecular Weight	38.2 kDa	Conformed
Bacterial Endotoxin	< 0.2 EU/µg	0.02 EU/µg

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### Caution:

For laboratory use only. Not for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

Certified by: Joe Wang Date: 01/17/2017

Protein Products Department