



Safety Data Sheet (SDS)

SECTION 1 – Identification

Product Name: Animal Free Recombinant Human VEGF 165 (a.a.)

Synonyms: Vascular Permeability Factor (VPF)

Catalog Number: HVEGF165

Recommended Use: For research use only (RUO). Not for diagnostic, therapeutic, or clinical applications in humans or animals.

Manufacturer Contact:

Pacific Coast Biologics, INC.

2360 Eastman Ave, Suite 101

Oxnard, CA 93030, USA

Email: support@pacificcoastbio.com

Emergency Contact: Local poison control center or emergency medical services.

SECTION 2 – Hazard Identification

Classification (GHS):

Not classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

Signal Word: None

Hazard Statements:

- May cause mild irritation to eyes, skin, or respiratory tract.
- Treat as potentially bioactive material.

Precautionary Statements:

- Avoid inhalation, ingestion, or direct contact.
 - Wear gloves, safety glasses, and protective clothing.
 - Wash hands thoroughly after handling.
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SECTION 3 – Composition/Information on Ingredients

Substance: Recombinant Human VEGF 165 (Animal Free)

CAS Number: 868681-20-8

EC Number: Not assigned

Formulation: Lyophilized protein with no additives.

Concentration: Supplied in microgram (μg) quantities per vial.

SECTION 4 – First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms occur.
 - **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing.
 - **Eye Contact:** Rinse with water for at least 15 minutes. Get medical attention if irritation persists.
 - **Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical advice if unwell.
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SECTION 5 – Firefighting Measures

Suitable Extinguishing Media: Water spray, CO_2 , dry chemical, or foam.

Hazardous Combustion Products: Carbon oxides, nitrogen oxides.

Protective Equipment: Firefighters should wear SCBA and protective clothing.

SECTION 6 – Accidental Release Measures

- Avoid generating aerosols.
- Wear gloves, protective eyewear, and lab coat.
- Absorb with inert material (spill pads).
- Clean area with water and appropriate disinfectant.
- Dispose in accordance with local regulations.



SECTION 7 – Handling and Storage

Handling:

- Use standard laboratory safety practices.
- Avoid inhalation, ingestion, or direct contact.
- Work in biosafety cabinet if aerosol generation is possible.

Storage:

- Store lyophilized protein at $-20\text{ }^{\circ}\text{C}$ or below.
- Store reconstituted aliquots at $-80\text{ }^{\circ}\text{C}$.
- Avoid repeated freeze–thaw cycles.
- Protect from light and moisture.

SECTION 8 – Exposure Controls/Personal Protection

Exposure Limits: None established.

Engineering Controls: Use in well-ventilated space; biosafety cabinet recommended.

PPE:

- Eye/Face: Safety glasses or goggles
- Hands: Nitrile or latex gloves
- Skin: Laboratory coat
- Respiratory: Not required under normal handling; respirator if aerosols may form

SECTION 9 – Physical and Chemical Properties

- **Appearance:** White to off-white lyophilized powder; clear solution after reconstitution
- **Odor:** Odorless



- **Solubility:** Soluble in aqueous buffers
 - **pH:** Below pH 3.0 when reconstituted in purified water
 - **Stability:** Stable when stored as recommended
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SECTION 10 – Stability and Reactivity

Stability: Stable under recommended conditions.

Conditions to Avoid: Heat, light, repeated freeze–thaw cycles.

Incompatible Materials: Strong oxidizers.

Decomposition Products: Carbon oxides, nitrogen oxides under fire conditions.

SECTION 11 – Toxicological Information

- **Acute Toxicity:** No data available
 - **Irritation:** May cause mild irritation to eyes, skin, or respiratory tract
 - **Sensitization:** No data available
 - **Carcinogenicity/Mutagenicity/Reproductive Toxicity:** No data available
 - **Notes:** Handle as a protein with unknown toxicological properties but potential bioactivity
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SECTION 12 – Ecological Information

- No specific ecological data available.
 - Expected to have minimal environmental impact at laboratory-scale use.
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SECTION 13 – Disposal Considerations

- Dispose of in accordance with local, state, and federal regulations.
 - Decontaminate with suitable disinfectant before disposal.
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SECTION 14 – Transport Information

UN Number: Not regulated

Proper Shipping Name: Non-hazardous laboratory reagent

Hazard Class: Not applicable

Packing Group: Not applicable

Special Precautions: Product is stable at ambient temperatures

SECTION 15 – Regulatory Information

- OSHA HCS: Not hazardous
 - TSCA: Not listed
 - SARA Title III: Not listed
 - California Proposition 65: Not listed
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SECTION 16 – Other Information

Prepared by: Pacific Coast Biologics, INC.

Date Prepared: 03/01/2026

Revision Number: 1.0

This SDS is intended for research laboratory safety guidance only. It does not constitute a warranty for product suitability. Users are responsible for compliance with all applicable regulations.
