Catalog number GF-VEGF165-HU · Revision 1 · 2026-02-10

# Recombinant Human VEGF-165

Prepared in accordance with the 16-section format of the Globally Harmonized System and OSHA 29 CFR 1910.1200 Appendix D.

## 1. Identification

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| Product name | Recombinant Human VEGF-165 |
| Catalog number | GF-VEGF165-HU |
| Product SKUs | GF-VEGF165-HU-10UG, GF-VEGF165-HU-50UG, GF-VEGF165-HU-100UG, GF-VEGF165-HU-1MG |
| Recommended use | Laboratory research use only. |
| Restrictions on use | Not for diagnostic, therapeutic, human, or veterinary use. |
| Supplier | Bramante Biologics, Cambridge, Massachusetts, United States, support@bramantebio.com, bramantebio.com |
| Emergency contact | support@bramantebio.com. For a medical emergency contact your local poison control centre or emergency services. |

## 2. Hazard(s) identification

GHS classification: not classified as hazardous under OSHA 29 CFR 1910.1200 or Regulation (EC) No 1272/2008.

Signal word: none. Hazard statements: none. Precautionary statements: none required.

Handle in accordance with good laboratory practice. The hazards of any material of biological origin cannot be fully characterised; treat as potentially hazardous.

## 3. Composition / information on ingredients

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| Active substance | Recombinant Human VEGF-165 |
| Expressed in | HEK293 cells |
| UniProt | P15692 |
| Formulation | Lyophilized from sterile-filtered PBS, pH 7.4; carrier-free; a 0.1% BSA carrier option is also available. Supplied as the folded, disulfide-linked homodimer, so no refolding or dimerization step is needed. |
| Carrier protein | None (carrier-free) |
| CAS number | Not assigned. Mixture or recombinant biological product. |

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## 4. First-aid measures

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| Eye contact | Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists. |
| Skin contact | Wash with soap and plenty of water. Remove contaminated clothing. Seek medical attention if irritation develops. |
| Inhalation | Move the person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms occur. |
| Ingestion | Rinse mouth. Do NOT induce vomiting. Seek medical attention. |
| Note to physician | Treat symptomatically. No specific antidote is known. |

## 5. Fire-fighting measures

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| Suitable extinguishing media | Water spray, carbon dioxide, dry chemical, or alcohol-resistant foam. Use media appropriate to the surrounding fire. |
| Specific hazards | Thermal decomposition may produce carbon oxides and nitrogen oxides. |
| Protective equipment | Self-contained breathing apparatus and full protective clothing for fire-fighters. |

## 6. Accidental release measures

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| Personal precautions | Wear gloves, eye protection, and a laboratory coat. Avoid generating aerosols. |
| Environmental precautions | Do not allow to enter drains or watercourses. |
| Containment and clean-up | Absorb with an inert absorbent, collect into a labelled container, and decontaminate the area with a suitable laboratory disinfectant or 70% ethanol. Dispose of in accordance with local regulations. |

## 7. Handling and storage

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| Safe handling | Use in a laboratory setting by trained personnel. Do not eat, drink, or smoke in the work area. Wash hands after handling. |
| Storage conditions | Store the unopened lyophilized vial at the temperature printed on the label and lot datasheet. After reconstitution, aliquot and store as directed; avoid repeated freeze-thaw cycles. |
| Incompatibilities | Strong oxidising agents. |

## 8. Exposure controls / personal protection

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| Occupational exposure limits | None established for this product. |
| Engineering controls | General laboratory ventilation. Use a biological safety cabinet where aerosol generation is possible. |
| Eye protection | Safety glasses with side shields conforming to EN 166 or ANSI Z87.1. |
| Skin protection | Nitrile gloves and a laboratory coat. |
| Respiratory protection | Not normally required with adequate ventilation. |

## 9. Physical and chemical properties

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| Appearance | Lyophilized powder or cake in a sealed vial. |
| Odour | Odourless |
| Solubility | Reconstitutes in the diluent specified on the vial label and lot datasheet |
| Flash point | Not applicable |
| Other data | No further relevant data available |

## 10. Stability and reactivity

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|---|---|
| Chemical stability | Stable under the recommended storage conditions (Store the unopened lyophilized vial at the temperature printed on the label and lot datasheet. After reconstitution, aliquot and store as directed; avoid repeated freeze-thaw cycles.). |
| Conditions to avoid | Moisture before reconstitution; repeated freeze-thaw cycles after reconstitution; elevated temperature; and prolonged exposure to light. |
| Incompatible materials | Strong oxidising agents. |
| Hazardous decomposition | None known under normal conditions of use. |

## 11. Toxicological information

No toxicological data are available for this product as supplied. The information below reflects the absence of testing, not the absence of hazard.

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| Acute toxicity | Not tested. |
| Skin / eye irritation | Not tested. May cause mechanical irritation. |

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| Sensitisation, mutagenicity, carcinogenicity, reproductive toxicity | Not tested. No component is listed as a carcinogen by IARC, NTP, or OSHA. |

## 12. Ecological information

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| Ecotoxicity | No data available. |
| Persistence and degradability | No data available. |
| Other adverse effects | Do not allow to enter the environment. |

## 13. Disposal considerations

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| Waste treatment | Dispose of contents and container in accordance with local, regional, and national regulations. Treat as laboratory waste. Do not discharge to drains without authorisation. |

## 14. Transport information

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| DOT / IATA / IMDG | Not classified as a dangerous good for transport. |
| UN number | Not applicable. |

## 15. Regulatory information

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| TSCA | This product is used for research and development purposes and is exempt from TSCA inventory listing under 40 CFR 720.36. |
| SARA Title III | No component is subject to reporting requirements. |
| California Proposition 65 | No component is known to the State of California to cause cancer or reproductive toxicity. |
| EU | Not classified under Regulation (EC) No 1272/2008. |

## 16. Other information

Prepared by Bramante Biologics.

This Safety Data Sheet is provided in good faith and is based on information available to us at the date of issue. It describes the product only with respect to safety and does not constitute a warranty of any property. The user is responsible for determining suitability and for safe conditions of use.

For research use only. Not for use in diagnostic or therapeutic procedures.