



## *Recombinant Human Vascular Endothelial Growth Factor* **rHuVEGF165**

**Catalog number: HZ-6528**

**Lot: CHI-121407**

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### *Specifications and Use*

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| <b>Source</b>              | <ul style="list-style-type: none"><li>● <i>Escherichia coli</i>.</li></ul>                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>      | <ul style="list-style-type: none"><li>● Approximately 19kDa.</li></ul>                                                                                                                                                                                                                                                                     |
| <b>Purity</b>              | <ul style="list-style-type: none"><li>● &gt;95%, as determined by SDS-PAGE and HPLC method.</li></ul>                                                                                                                                                                                                                                      |
| <b>Biological Activity</b> | <ul style="list-style-type: none"><li>● Determined by its ability to induce proliferation of human umbilical vein endothelial cells. The ED<sub>50</sub> is typically 1-5 µg/mL.</li></ul>                                                                                                                                                 |
| <b>Endotoxin Level</b>     | <ul style="list-style-type: none"><li>● Less than 1EU/µg of the rHuVEGF165 as determined by LAL method.</li></ul>                                                                                                                                                                                                                          |
| <b>Formulation</b>         | <ul style="list-style-type: none"><li>● Lyophilized from PBS.</li></ul>                                                                                                                                                                                                                                                                    |
| <b>Solubility</b>          | <ul style="list-style-type: none"><li>● It is recommended to reconstitute the lyophilized rHuVEGF165 in sterile ddH<sub>2</sub>O not less than 100µg/mL.</li></ul>                                                                                                                                                                         |
| <b>Stability</b>           | <ul style="list-style-type: none"><li>● Lyophilized samples are stable for greater than six months from date of receipt at -20 °C to -70 °C.</li><li>● Upon reconstitution, this cytokine can be stored under sterile conditions at 4 °C for one month without detectable loss of activity.</li><li>● Avoid repeated freeze/thaw</li></ul> |
| <b>Usage</b>               | <ul style="list-style-type: none"><li>● FOR RESEARCH USE ONLY. NOT FOR HUMAN USE.</li></ul>                                                                                                                                                                                                                                                |

### ***Human Vascular Endothelial Growth Factor***

VEGF is a potent growth and angiogenic cytokine. It stimulates proliferation and survival of endothelial cells, and promote angiogenesis and vascular permeability.