

## Recombinant Human VEGF 165 Reference standard

Cat. No. VEGF165-11H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Product Overview</b> | The VEGF165 used in this preparation is the human form of the molecule, synthesized in E. coli by recombinant DNA technology.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Enzyme Unit</b>      | The assigned potency of VEGF165 is 13000 units of VEGF165 per ampoule.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Usage</b>            | No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. The Reference Reagent is intended for calibration of local standards. For all practical purposes, each ampoule contains the same quantity of VEGF165. The entire contents of each ampoule should be completely dissolved in a known volume of suitable solvent. It is recommended that, when possible, buffer containing carrier protein should be used to minimize loss by surface adsorption. The solvent should be compatible with the assay system used.                  |
| <b>Notes</b>            | This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. |

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Care should be exercised in opening ampoules or vials, to avoid cuts.

**Stability**

Reference materials are held at Creative Biomart within assured, temperature-controlled storage facilities and they should be stored on receipt as indicated on the label. Accelerated degradation studies have indicated that this material is suitably stable, when stored at -20°C or below, for the assigned values to remain valid until the material is withdrawn or replaced. These studies have also shown that the material is suitably stable for shipment at ambient temperature without any effect on the assigned values. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact Creative Biomart.

**Storage**

The ampoules are shipped at ambient temperature. Unopened ampoules should be stored at minus 20 °C in the dark. It may be possible to store frozen aliquots of the reconstituted preparations for subsequent use as the collaborative study did not show any detectable effects on freezing and thawing the reconstituted preparations. However, this should be validated for the user's particular laboratory, storage and assay conditions. Repeated freezing and thawing should be avoided. The ampoules do not contain bacteriostat and solutions of the ampouled material should not be assumed to be sterile. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

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