

# Recombinant Human Endocrine Gland-derived Vascular Endothelial Growth Factor

#R00145

Size: 5 µg/100 µg/500 µg

## Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
  - 1 month, 2 to 8 °C under sterile conditions after reconstitution.
  - 3 months, -20 to -70 °C under sterile conditions after reconstitution.



**Warning:** This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

## AA Sequence

AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGR  
EGEECHPGSHKVPFFRKRKHHTCPCLPNLLCSRFPD  
GRYRCSMDLKNINF

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

## Product Specification

|                     |                                                                                                                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accession           | P58294                                                                                                                                                                                                                    |
| GeneID              | 84432                                                                                                                                                                                                                     |
| Unigene             | Hs.514793.                                                                                                                                                                                                                |
| Species             | Human                                                                                                                                                                                                                     |
| Source              | Escherichia coli.                                                                                                                                                                                                         |
| Molecular Weight    | Approximately 9.7 kDa, a single non-glycosylated polypeptide chain containing 86 amino acids.                                                                                                                             |
| Purity              | > 98 % by SDS-PAGE and HPLC analyses.                                                                                                                                                                                     |
| Biological Activity | Fully biologically active when compared to standard. The ED <sub>50</sub> as determined by a cell proliferation assay using bovine EJG cells is less than 2.0 µg/ml, corresponding to a specific activity of > 500 IU/mg. |
| Physical            | Sterile Filtered White Lyophilized                                                                                                                                                                                        |

|             |                                                                                           |
|-------------|-------------------------------------------------------------------------------------------|
| Appearance  | (freeze-dried) powder.                                                                    |
| Formulation | Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4, 0.02 % Tween-20. |
| Endotoxin   | Less than 0.1 EU/µg of rHuEG-VEGF as determined by LAL method.                            |