

# NEUROMICS



## Recombinant Human VEGF (Endocrine-Gland Derived) Datasheet

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**Catalog Number:** PR29003

**Product Type:** Recombinant Protein

**Source:** *E. Coli*

**Amino Acid Sequence:** AVITGACERD VQCGAGTCCA ISLWLRGLRM CTPLGREGEE CHPGSHKVPF  
FRKRKHHTCP CLPNLLCSRF PDGRYRCSMD LKNINF

**Description:** EG-hVEGF produced in *E. coli* is a single, non-glycosylated, polypeptide chain that contains 81 amino acids and has a molecular mass of 9.6 kDa.

**Protein Content determined by:** UV spectroscopy at 280 nm.  
Analysis by RP-HPLC calibrated against a known standard.  
Quantitation on SDS-PAGE against a known standard..

**Activity:** The biological activity is determined by the dose-dependent stimulation of the proliferation of human umbilical vein endothelial cells (HUVEC) using a concentration range of 1.0-5.0 ng/ml.

**Endotoxin Level:** As measured by LAL is <0.01ng/ug or <0.1EU/ug.

**Purity:** >97% as determined by:  
Analysis by RP-HPLC.  
Reducing and non-reducing SDS-PAGE

**Format:** Lyophilized with no additives.

**Reconstitution:** It is recommended to reconstitute the lyophilized product with sterile water a concentration of 0.1 mg/ml. It can be further diluted into other aqueous solutions.

**Shipping Conditions:** Can be shipped ambient. Product should be stored at -20° C upon receipt.

**Storage:** Product is stable for up to 3 years from manufacturing date, when stored lyophilized at -20° C. Reconstituted material should be aliquoted and frozen at -20° C. It is Recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

**Avoid multiple freeze-thaw cycles**

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*FOR RESEARCH USE ONLY*

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Neuromics • 5325 West 74<sup>th</sup> Street, Suite 8 • Edina, MN 55439  
phone 866-350-1500 • fax 612-677-3976 • e-mail [pshuster@neuromics.com](mailto:pshuster@neuromics.com)