

# Active Endocrine Gland Derived Vascular Endothelial Growth Factor (EG-VEGF) Instruction Manual

**SBPA011Hu01**

**Homo sapiens (Human)**

<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 90%
<b>Isoelectric Point</b>	8.1
<b>Applications</b>	Cell culture; Activity Assays.

## ACTIVITY TEST

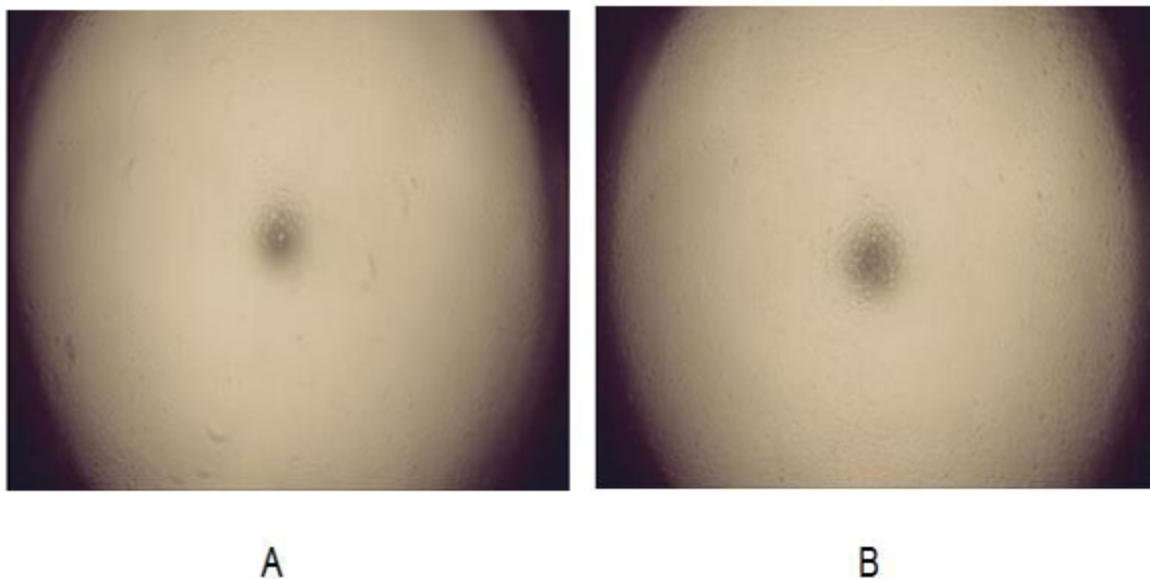


Figure 1. Cell proliferation of ECV-304 cells after stimulated with EG-VEGF. Endothelial gland-derived VEGF (EG-VEGF) is an angiogenic protein that is structurally unrelated to VEGF. It is expressed in steroidogenic tissues such as adrenal gland, ovary, testis, and placenta. Like VEGF it can induce fenestrae in endothelial cells. To test the effect of EG-VEGF on cell proliferation of ECV-304 endothelium cell line, cells were seeded into triplicate wells of 96-well plates at a density of 5,000 cells/well and allowed

to attach overnight, then the medium was replaced with serum-free standard DMEM prior to the addition of various concentrations of EG-VEGF. After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 $\mu$ L of CCK-8 solution was added to each well of the plate, then measure the absorbance at 450nm using a microplate reader after incubating the plate for 1-4 hours at 37°C.

(A) Unstimulated ECV-304 cells cultured in 1640 for 96h;

(B) ECV-304 cells cultured in 1640, stimulated with 10ng/mL VEGF121 for 96h.

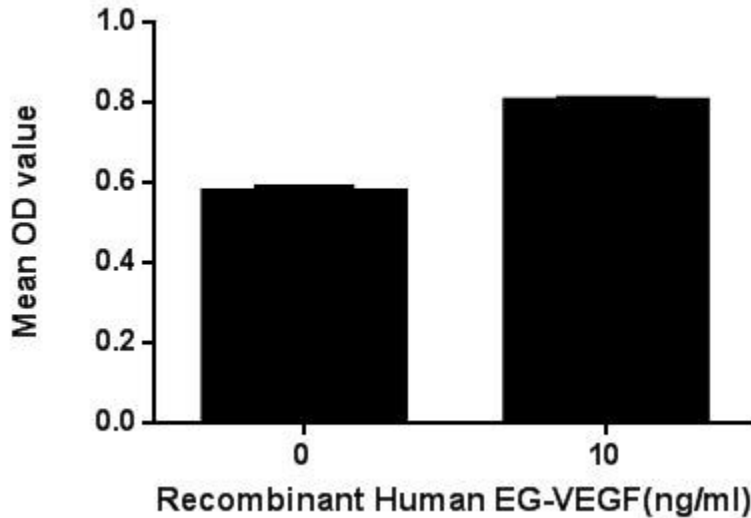


Figure. Cell proliferation of ECV-304 cells after stimulated with EG-VEGF

## USAGE

Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Image**

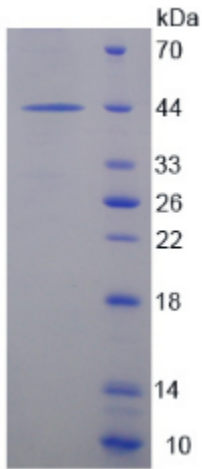


Figure. SDS-PAGE

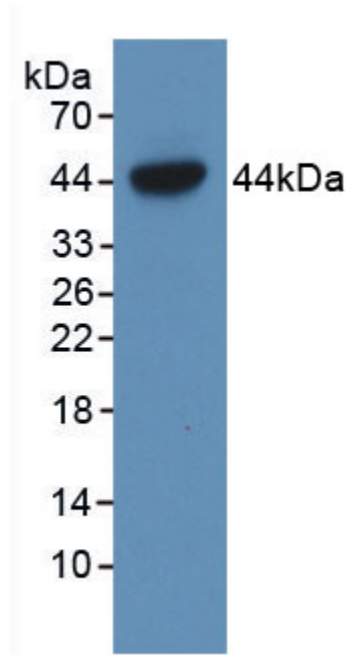


Figure. Western Blot

**[IMPORTANT NOTE]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.