

## 32-12038: Human Endocrine Gland-Vascular Endothelial Growth Factor

**Gene :** PROK1  
**Gene ID :** 84432  
**Uniprot ID :** P58294  
**Alternative Name :** Endocrine-gland-derived vascular endothelial growth factor, Mambakine

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 9.7 kDa (86 aa)

Endocrine gland-derived vascular endothelial growth factor (EG-VEGF) is an angiogenic growth factor that is expressed in the ovaries, testis, adrenal, and placental tissues. EG-VEGF has mitogenic, chemoattractive, and antiapoptotic functional roles. EG-VEGF signaling is mediated through binding the G protein-coupled receptors prokineticin receptor 1 (PKR1) and prokineticin receptor 2 (PKR2). Polycystic ovaries display strong EG-VEGF expression that is associated with increased angiogenesis and cyst formation, which could lead to the formation of polycystic ovary syndrome and infertility.

### Product Info

**Amount :** 20 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq 95\%$   
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)  
Sterile water at 0.1 mg/mL  
**Storage condition :** Store at  $-20^{\circ}\text{C}$   
**Amino Acid :** AVITGACERDÂ VQCGAGTCCAÂ ISLWLRGLRMÂ CTPLGREGEEÂ CHPGSHKVPFÂ FRKRKHHTCPÂ CLPN  
LLCSRFÂ PDGRYRCSMDÂ LKNINF

### Application Note

**Endotoxin:** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at  $-80^{\circ}\text{C}$  and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.

