

## PRODUCT INFORMATION SUMMARY

### Rat VEGF

Purified Factor	Product Number	RC333180A	2.0 ug
Purified Factor	Product Number	RC333180B	10.0 ug

#### DESCRIPTION:

Rat Vascular Endothelial Cell Growth Factor (VEGF) is a homodimeric growth factor produced in vascularized tissues. VEGF stimulates angiogenesis, endothelial cell growth, and capillary permeability, and is believed to play a role in tumor metastasis. Rat VEGF has molecular weight of 38.5 kDa, with two 165 aa. chains.

**SOURCE:** E. Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug Rat VEGF

#### BIOLOGICAL ACTIVITY:

**Fully biologically active when compared to standards.**

Activity determined by Mitogenic stimulation of human umbilical vein endothelial cells with half-maximal response of approximately 6.0 ng/mL.

#### HANDLING AND STORAGE:

Purified Rat VEGF factor is provided lyophilized and free of additives. Store lyophilized, at -20 ° C. Reconstitute with **distilled water** to concentration OF 100 ug/mL , then further dilute in PBS or other buffered solutions (**pH 7.2**). Store small aliquots **with carrier protein** ( ie. 0.1% BSA) at -20° C for long-term storage - up to 3 months, at high concentration.

**Microcentrifuge before reconstitution.** Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

#### WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**