



## Recombinant Human EG-VEGF

20150227BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>100-150S</b>
Size:	5 µg
Lot. No.:	According to product label

### Sequence

AVITGACERD VQCGAGTCCA ISLWLRGLRM CTPLGREGEE  
CHPGSHKVPF FRKRKHHTCP CLPNLLCSRF PDGRYRCSMD LKNINF

### Database References

<b>Protein RefSeq:</b>	NP_115790
<b>Uniprot ID:</b>	P58294
<b>mRNA RefSeq:</b>	NM_032414

## Scientific Background

<b>Gene-ID (NCBI):</b>	84432
<b>Synonyms:</b>	PROK1; PK1; PRK1; EGVEGF

Endocrine gland-derived vascular endothelial growth factor (EG-VEGF) induces proliferation, migration, and fenestration in capillary endothelial cells derived from endocrine glands. Its expression is induced by hypoxia and is restricted to the steroidogenic glands (ovary, testis, adrenal, and placenta). Its expression is often complementary to the expression of VEGF (MIM 192240), suggesting that these molecules function in a coordinated manner. EG-VEGF potently contracts gastrointestinal (gi) smooth muscle. Induces proliferation, migration and fenestration (the formation of membrane discontinuities) in capillary endothelial cells derived from endocrine glands. Has little or no effect on a variety of other endothelial and non-endothelial cell types.

## Product Specifications

<b>Expressed in</b>	E. coli
<b>Purity</b>	> 98% by SDS-PAGE & HPLC analyses
<b>Endotoxin level</b>	< 0.1 ng /µg of protein (<1EU/µg).
<b>Formulation</b>	lyophilized
<b>Length (aa):</b>	86
<b>MW:</b>	9.6 kDa

**Biological Activity:** Data not available.



**AVOID REPEATED FREEZE AND THAW CYCLES!**