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PROK1
Recombinant Human Endocrine Gland Vascular Enothelial Growth Factor, Animal Free

Catalog No.	CRV015A-AF	**Quantity:**	5 µg
	CRV015B-AF		20 µg
	CRV015C-AF		1.0 mg
	CRV015D-AF		100 µg

Alternate Names: EG-VEGF, PROK1, Prokineticin-1

Description: Endocrine Gland-derived Vascular Endothelial Growth Factor (EG-VEGF) is an angiogenic growth factor specifically expressed in the ovaries, testis, adrenal and placental tissues. The identification of tissue-selective angiogenic factors raises the possibility that other secreted molecules in this class exist. Increased EG-VEGF expression correlates with angiogenesis and cyst formation in polycystic ovary syndrome, a leading cause of infertility.

Gene ID: 84432

UniProt ID: P58294

Source: *E. coli*
Manufactured without Animal-derived products, in an Animal Free facility.

Molecular Weight: 9.7 kDa (86 aa)

Formulation: Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)

Purity: ≥ 95 % by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤ 1 EU/µg by kinetic LAL analysis.

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

Reconstitution: **Centrifuge vial prior to opening**. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage.
Avoid repeated freeze-thaw cycles.

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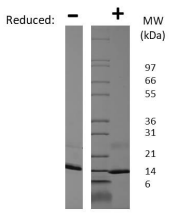

Human EG-VEGF Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human EG-VEGF is predicted to have a MW of 9.7 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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