

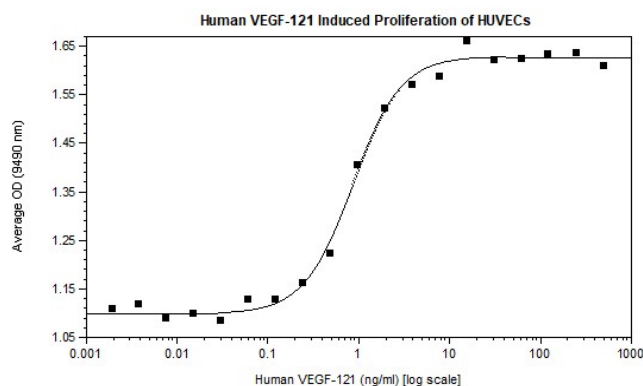
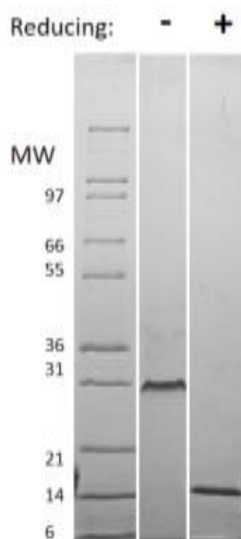
Recombinant Human VEGF-121 Animal Free

Catalog No.	CRH330A-AF CRH330B-AF CRH330C-AF	Quantity:	2 µg 100 µg 1.0 mg
Alternate Names:	VEGF-A, VPF, glioma-derived endothelial cell mitogen		
Description:	Vascular endothelial growth factor-A (VEGF-A) is produced by a wide variety of cell types, including tumor and vascular cells. VEGF-A is a mediator of vascular growth, vascular permeability, and plays a role in stimulating vasodilation via nitric oxide-dependent pathways. VEGF-A has several alternatively spliced isoforms, with one being VEGF-121. The VEGF-121 isoform is a secreted protein that acts on receptors VEGFR-1 and VEGFR-2 to modulate endothelial cell function.		
Gene ID:	7422		
UniProtKB:	P15692-9		
Source:	<i>E. coli</i>		
Molecular Weight:	Dimer, 14.1/28.3 kDa (121/242 aa)		
Formulation:	Lyophilized from a sterile filtered solution containing 0.1% Trifluoroacetic Acid (TFA)		
Purity:	≥95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤1 EU/µg		
Biological Activity:	ED ₅₀ ≤ 5 ng/ml, determined by HUVEC proliferation.		
Specific Activity:	≥2.0 x 10 ⁵ U/mg		
Amino Acid Sequence:	MAPMAEGGGQ NHHEVVKFMD VYQRSYCHPI ETLVDIFQEY PDEIEYIFKP SCVPLMRCGG CCNDEGLECV PTEESNITMQ IMRIKPHQQG HIGEMSFLQH NKCECRPKKD RARQENCDKP RR		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipetting the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for reconstitution. A small amount of precipitate may be seen.		

Storage & Stability:

Upon receipt, store desiccated at -20 °C for up to 1 year. Upon reconstitution, preparation is stable for up to one month at 2-8 °C. For long term storage reconstitute in working aliquots containing 0.1% BSA and store at -80 °C. **Avoid repeated freeze-thaw cycles.**

Figure: 1 µg run under (+) reducing conditions and (-) non-reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue.



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



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com