

Vascular Endothelial Growth Factor (121) Human Recombinant, HEK

Item Number	rAP-2489
Synonyms	Vascular endothelial growth factor A, VEGF-A, Vascular permeability factor, VPF, VEGF, MGC70609.
Description	Recombinant Human VEGF 121 amino acids, produced in HEK cells is a glycosylated 37kDa homodimer and 50kDa homotrimer. The VEGF is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P15692
Amino Acid Sequence	
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized VEGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VEGF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	VEGF was lyophilized from a 0.2µm filtered solution containing 1xPBS. Greater than 95% as observed by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized VEGF in sterile PBS containing 0.1% endotoxin-free recombinant HSA.
Biological Activity	The specific activity was determined by the dose-dependent stimulation of the proliferation of HUVEC cells (Human Umbilical Vein Endothelial Cells), the ED50 is 3ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**