

Vascular Endothelial Growth Factor Human Recombinant, CHO

Item Number	rAP-2494
Synonyms	Vascular endothelial growth factor A, VEGF-A, Vascular permeability factor, VPF, VEGF, MGC70609.
Description	Vascular Endothelial Growth Factor Human Recombinant produced in CHO cells is a double, glycosylated, polypeptide chain containing 165 amino acids and migrates as 44 kDa in SDS-PAGE under non-reducing conditions. The VEGF is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P15692
Amino Acid Sequence	
Source	Chinese Hamster Ovarian Cell.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Vascular Endothelial Growth Factor Human although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VEGF Human Recombinant 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
Formulation and Purity	The protein was lyophilized from a Phosphate- Buffered Saline, pH 7.4. Greater than 97.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Vascular Endothelial Growth Factor Human in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The protein was tested in HUVEC cells, the ED ₅₀ for this effect was found to be 2-6ng/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**