

## Vascular Endothelial Growth Factor (121 a.a.) Mouse Recombinant

<b>Item Number</b>	rAP-2505
<b>Synonyms</b>	Vascular endothelial growth factor A, VEGF-A, Vascular permeability factor, VPF, VEGF, MGC70609.
<b>Description</b>	Vascular Endothelial Growth Factor-121 Mouse Recombinant produced in E.Coli is a homodimer, non-glycosylated, polypeptide chain containing 121 amino acids and having a molecular mass of 28.4 kDa.Recombinant Mouse VEGF-121 is a truncated version of Murine VEGF-165.The VEGF-121 is purified
<b>Uniprot Accesion Number</b>	Q00731
<b>Amino Acid Sequence</b>	MAPTTEGEQK SHEVIKFMDV YQRSYCRPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCAGC CNDEALECVP TSESNITMQI MRIKPHQSQH IGEMSFLQHS RCECRPKKDR TKPEKCDKRPR R.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized VEGF-121 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VEGF-121 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.
<b>Formulation and Purity</b>	The protein was lyophilized from a concentrated (1mg/ml) solution with no additives. Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized VEGF-121 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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**