

# Product Datasheet

## Recombinant Human VEGF 121 Protein NBP3-07103-10ug

Unit Size: 10 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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**NBP3-07103-10ug****Recombinant Human VEGF 121 Protein**

<b>Product Information</b>	
<b>Unit Size</b>	10 ug
<b>Concentration</b>	Lyoph
<b>Storage</b>	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Briefly centrifuge vial prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to 0.1-1.0 mg/mL.
<b>Purity</b>	>95%, by SDS-PAGE and HPLC
<b>Buffer</b>	Lyophilized from a 0.2 um filtered concentrated solution in PBS, (pH 7.4)

<b>Product Description</b>	
<b>Description</b>	<p>A disulfide-linked homodimeric protein consisting of two 121 amino acid polypeptide chains corresponding to VEGF 121. As a result of glycosylation, it migrates to at least two bands with molecular weights ranging from 144-20 kDa in SDS-PAGE under reducing conditions <b>Source:</b> <i>Yeast</i></p> <p><b>Uniprot ID:</b> <i>P15692-9</i></p> <p><b>Amino Acid Sequence:</b> <i>APMAEGGGQN HHEVVKFMDV YQRSYCHPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCGGC CNDEGLECVP TEESNITMQI MRIKPHQGGQH IGEMSFLQHN KCECRPKKDR ARQENC DKPR R</i></p>
<b>Gene ID</b>	7422
<b>Gene Symbol</b>	VEGFA
<b>Species</b>	Human
<b>Details of Functionality</b>	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human umbilical vein endothelial cells (HUVEC) is between 0.2-0.4 ng/mL.
<b>Endotoxin Note</b>	Less than 0.1 EU/ug of VEGF 121 as determined by LAL method.

<b>Product Application Details</b>	
<b>Applications</b>	Bioactivity
<b>Recommended Dilutions</b>	Bioactivity





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### **Products Related to NBP3-07103-10ug**

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NBP2-76234-100ug	Recombinant Human VEGF 121 Animal-Free Protein
NB100-105	HIF-1 alpha Antibody (H1alpha67)
NBP2-78843-5Plates	VEGF 121 Antibody Pair [HRP]
210-TA-005	TNF-alpha [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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