

# Product Datasheet

## Recombinant Human VEGF 165 Protein NBP2-35135-2ug

Unit Size: 2ug

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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**NBP2-35135-2ug**

Recombinant Human VEGF 165 Protein

Product Information	
Unit Size	2ug
Concentration	Lyoph
Storage	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.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-0.33 mg/mL.
Purity	>95%, by SDS-PAGE
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in PBS, with 0.02% Tween-20, pH 7.0.
Target Molecular Weight	38.6 (homodimer) kDa

Product Description	
Description	A disulfide-linked homodimeric protein consisting of two 166 amino acid polypeptide chains with Met at N-terminus corresponding to VEGF 165 <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> P15692  <b>Amino Acid Sequence:</b> MAPMAEGGGQ NHHEVVKFMD VYQRSYCHPI ETLVDIFQEY PDEIEYIFKP SCVPLMRCGG CCNDEGLECV PTEESNITMQ IMRIKPHQQG HIGEMSFLQH NKCECRPKKD RARQENPCGP CSERRKHLFV QDPQTCKCSC KNTDSRCKAR QLELNERTCR CDKPRR
Gene ID	7422
Gene Symbol	VEGFA
Species	Human
Details of Functionality	VEGF 165 protein is 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 1.0-8.0 ng/ml.
Endotoxin Note	Less than 0.1 EU/ug of VEGF 165 as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

**Publications**

Yanlan Yu, Pierre Lee, Yaohuang Ke et al. A Humanized Anti-VEGF Rabbit Monoclonal Antibody Inhibits Angiogenesis and Blocks Tumor Growth in Xenograft Models. PLoS One 2010-02-05 [PMID: 20140208]

Yanlan Yu, Pierre Lee, Yaohuang Ke et al. Development of humanized rabbit monoclonal antibodies against vascular endothelial growth factor receptor 2 with potential antitumor effects. Biochem Biophys Res Commun 2013-07-05 [PMID: 23770369]





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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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