

Product Datasheet

Recombinant Human VEGF 165 Protein NBP2-35135-100ug

Unit Size: 100 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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NBP2-35135-100ug

Recombinant Human VEGF 165 Protein

Product Information	
Unit Size	100 ug
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	<p>A disulfide-linked homodimeric protein consisting of two 166 amino acid polypeptide chains with Met at N-terminus corresponding to VEGF 165 Source: <i>E. coli</i></p> <p>Uniprot ID: P15692</p> <p>Amino Acid Sequence: MAPMAEGGGQ NHHEVVKFMD VYQRSYCHPI ETLVDIFQEY PDEIEYIFKP SCVPLMRCGG CCNDEGLECV PTEESNITMQ IMRIKPHQQG HIGEMSFLQH NKCECRPKKD RARQENPCGP CSERRKHLFV QDPQTCKCSC KNTDSRCKAR QLELNERTCR CDKPRR</p>
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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