

# Product Datasheet

## Recombinant Human VEGF 121 His Protein NBC1-18520-50ug

Unit Size: 50 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBC1-18520-50ug**

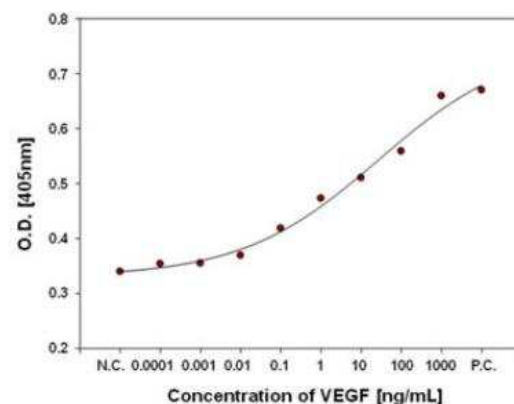
Recombinant Human VEGF 121 His Protein

Product Information	
Unit Size	50 ug
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>90%, by SDS-PAGE
Buffer	20 mM Tris-HCl buffer (pH 8.0), 10% glycerol
Target Molecular Weight	16.3 kDa
Product Description	
Description	<p>A bioactive recombinant protein with a N-Terminal His-tag and corresponding to the amino acids 207-327 of Human VEGF 121</p> <p><b>Source:</b> <i>E.coli</i></p> <p><b>Amino Acid Sequence:</b> MGSSHHHHHH SSGLVPRGSH MAPMAEGGGQ NHHEVVKFMD VYQRSYCHPI ETLVDIFQEY PDEIEYIFKP SCVPLMRCGG CCNDEGLECV PTEESNITMQ IMRIKPHQGQ HIGEMSFLQH NKCECRPKKD RARQEKCDKP RR</p>
Gene ID	7422
Gene Symbol	VEGFA
Species	Human
Details of Functionality	Human VEGF121 stimulates cell proliferation of the HUVEC human umbilical vein endothelial cells. The ED50 range less than or equal to 12 ng/ml.
Endotoxin Note	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

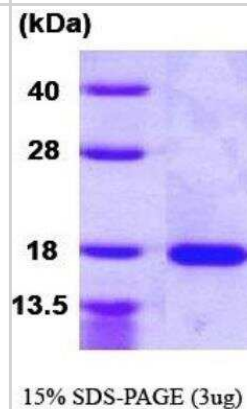


## Images

Functional: Recombinant Human VEGF 121 Protein [NBC1-18520] - NIH/3T3 cell proliferation was determined by BrdU incorporation method at 405 nm. This test was performed duplicate. N.C. - negative control [only 0.1% FBS] P.C. - positive control [10% FBS]



SDS-Page: Recombinant Human VEGF 121 Protein [NBC1-18520] - VEGF121, 16.3 kDa (142aa), confirmed by MALDI-TOF with a purity of 95% by SDS - PAGE





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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