

# Product Datasheet

## Recombinant VEGF Protein NBP1-43188-0.005mg

Unit Size: 0.005 mg

Store at -80C. Avoid freeze-thaw cycles.

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**NBP1-43188-0.005mg**

Recombinant VEGF Protein

<b>Product Information</b>	
<b>Unit Size</b>	0.005 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.
<b>Preservative</b>	0.09% Sodium Azide
<b>Buffer</b>	Sterile liquid; 35% (v/v) acetonitrile, 0.1% (v/v) trifluoroacetic acid with 1.0% BSA as a stabilizer. 0.22 uM filtered.

<b>Product Description</b>	
<b>Description</b>	A partial protein corresponding to VEGFA.
<b>Gene ID</b>	7422
<b>Gene Symbol</b>	VEGFA
<b>Reactivity Notes</b>	This protein was made to the human sequence.
<b>Preparation Method</b>	E. coli expressed amino acids ala 27-arg 147 of mature human VEGF121 (accession # AF214570).
<b>Details of Functionality</b>	Measured by human umbilical vein endothelial cell proliferation assay. The ED50 is typically 10.0 ng/ml, corresponding to a specific activity of 1.0 x 10 <sup>5</sup> Units/mg.
<b>Notes</b>	Purity: Greater than 98% as determined by SDS-PAGE
<b>Endotoxin Note</b>	Less than 0.01 ng/ug cytokine as determined by the LAL assay.

<b>Product Application Details</b>	
<b>Applications</b>	Immunoassay
<b>Recommended Dilutions</b>	Immunoassay
<b>Application Notes</b>	This recombinant human VEGF has been tested by bioassay of human umbilical vein endothelial cells (HUVEC). Dose-dependent induction of proliferation of HUVECs yields an ED50 of 10.0 ng/ml, corresponding to a specific activity of approximately 1x10 <sup>5</sup> Units/mg.





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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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