

Product Datasheet

Recombinant Human VEGF 121 Animal-Free Protein NBP2-76234-100ug

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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NBP2-76234-100ug**Recombinant Human VEGF 121 Animal-Free 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	Sterile water at 0.1 mg/mL
Purity	>95%, by SDS-PAGE
Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Target Molecular Weight	28.3 kDa

Product Description

Description	<p>An un-tagged bioactive recombinant protein corresponding to Human VEGF 121</p> <p>Source: <i>E. coli</i></p> <p>Amino Acid Sequence: MPMAEGGGQN HHEVVKFMDV YQRSYCHPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCGGC CNDEGLECVP TEESNITMQI MRIKPHQGGH IGEMSFLQHN KCECRPKKDR ARQENC DKPR R</p> <p>Produced with no materials of animal or human origin using ANIMAL-FREE purification processes.</p> <p>Production and Purification</p> <ul style="list-style-type: none"> • No animal-derived ingredients, No FBS • <i>E. coli</i> based production system • Animal-Free facility, fermentor, columns, filters, labware, lyophilization, and storage <p>Quality Assurance</p> <ul style="list-style-type: none"> • Endotoxin levels at <1 EUs/ug • Purity levels at 95% or greater
Gene ID	7422
Gene Symbol	VEGFA
Species	Human
Specificity/Sensitivity	VEGF 121 is a dimer, 14.1/28.3 kDa (121/242 aa)
Preparation Method	Protein is derived from genetically modified <i>E. coli</i> .
Details of Functionality	HUVEC proliferation, >2.0 x 10 ⁵ units/mg (ED50 acceptance criteria are <5 ng/mL).



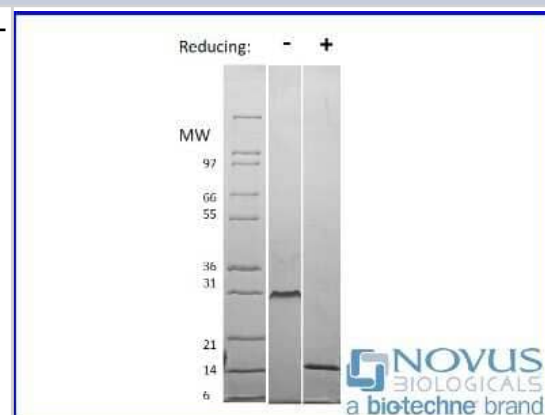
Notes	<p>Lot Specific Information: Given endotoxin and ED50 values are acceptance criteria standards. For lot specific values, please contact technical support.</p> <p>Detailed Reconstitution: Centrifuge vial before opening. Suspend the product by gently pipetting the recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots.</p> <p>Expiration Date: 12 months from date of receipt when stored at -20C to -80C as supplied. 1 month when stored at 4C after reconstituting as directed. 3 months when stored at -20C to -80C after reconstituting as directed.</p>
Endotoxin Note	Acceptance criteria for endotoxin levels are <1 EUs/ug protein (determined by Kinetic LAL Method).

Product Application Details

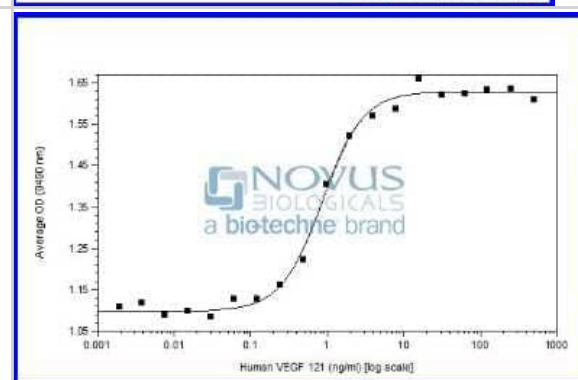
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

Images

SDS-Page: Recombinant Human VEGF 121 Animal-Free Protein [NBP2-76234] - 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel.



Bioactivity: Recombinant Human VEGF 121 Animal-Free Protein [NBP2-76234] - VEGF 121 induced proliferation of HUVECs.





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