

Catalog Number: HZ-1204

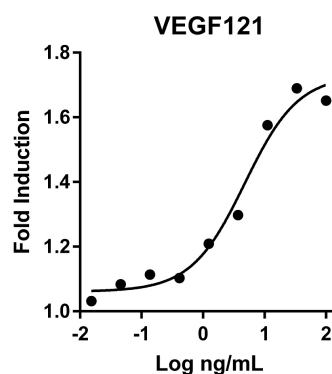
HEK293 expressed

Endotoxin-free

Animal-component free

## Technical Specifications

Species	Human
Expression	HEK293
Activity	Typically $\leq 15$ ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ $\mu$ g
Molecular Mass	37 kDa, homodimer; 50 kDa, homotrimer, glycosylated
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	7422



The activity was determined by the dose-dependent stimulation of the proliferation of HUVEC cells (Human Umbilical Vein Endothelial Cells) using Promega CellTiter96<sup>®</sup> Aqueous Non-Radioactive Cell Proliferation Assay.

## Reconstitution Buffer

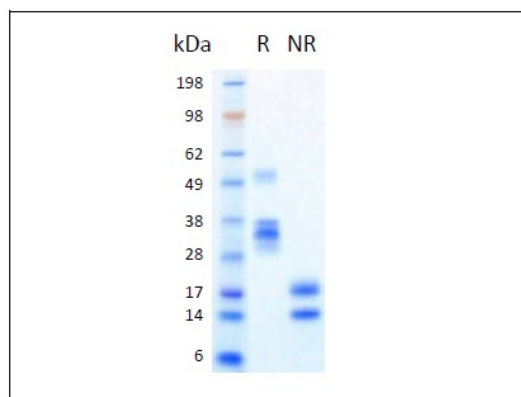
Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

## Stability and Storage

Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

## Product Description

Animal-free Recombinant Human VEGF121 is expressed in human 293 cells as a glycosylated cytokine with an apparent molecular mass of 37 kDa as dimer and 50 kDa as trimer. Production in human 293 cells offers authentic glycosylation, contributing to stability in cell growth media. The cytokine is produced in a human cell expression system with serum free, chemically defined media. VEGF121 is a potent growth and angiogenic cytokine. It stimulates proliferation and survival of endothelial cells, and promotes angiogenesis and vascular permeability.



The protein was resolved by SDS- polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue. R represents reducing conditions and NR represents non-reducing conditions.

## Synonyms

Vascular Endothelial Growth Factor121, VPF Vascular Endothelial Growth Factor 121

For technical support and original validation data for this product please contact:

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