

Recombinant Human VEGF121

Catalog Number: **HZ-1204**

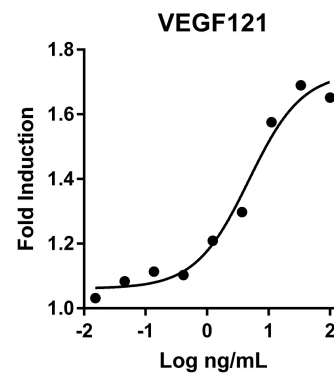
HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

| | |
|----------------|---|
| Species | human |
| Expression | HEK293 |
| Activity | Typically ≤ 15 ng/mL EC50 |
| Purity | >95% |
| Endotoxin | <1 EU/ μ 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[®] 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

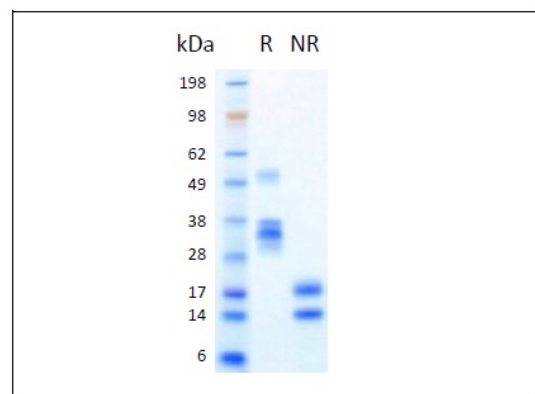
Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted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

Synonyms

L VEGFA, MVCD1, Vascular permeability factor, VEGF, VEGF A, VEGF121, VEGFA, VPF



The protein was resolved by SDS- polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or
1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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