

Human VEGF165, His Tag, E. coli

Catalog Number LDG168PHE

Package 5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Affinity Tag

His Tag (C-term)

Purity

>98% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to induce HUVEC cells proliferation. The ED₅₀ for this effect is <12 ng/mL. The specific activity of recombinant human VEGF165 is approximately >5 x 10⁵ IU/mg.

Form

Lyophilized

Expression system

Escherichia coli

Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.

Molecular weight

The protein has a calculated MW of 20.11 kDa. The protein migrates as 21 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

Background

Tainan Headquarter

+886-6-2536677

bd@leadgene.com.tw

Innovation & Research Center

+886-2-27065528

CLD Center

+886-6-2536677

Background

Vascular Endothelial Growth Factors 165(VEGF165) is a potent growth and angiogenic cytokine which belongs to the VEGF family, includes VEGF-A, VEGF-B, VEGF-C, VEGF-D, VEGF-E, and PlGF. Human VEGF165 is an abundant glycosylated cytokine composed of two identical 165 amino acid chains. Human VEGF165 plays an important role in embryonic vasculogenesis, angiogenesis and neurogenesis.

Uniprot ID

NP_001165097

Synonyms

Vascular permeability factor, VPF, Vascular endothelial Growth Factors A

Sequence Note

Ala27-Arg191

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image

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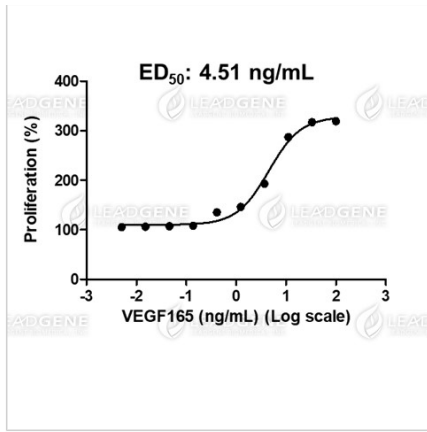
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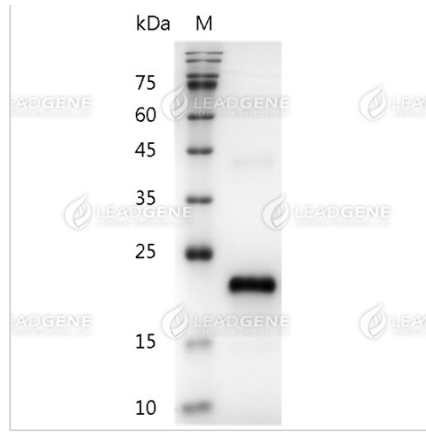
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Human VEGF165, His Tag, E. coli (LDG168PHE) induced HUVEC cell proliferation, with the ED50 at 4.51 ng/mL.



SDS-PAGE analysis of recombinant human VEGF165.

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