LEADGENE
LEADGENE BIOMEDICAL, INC.

Datasheet

Mouse VEGF165, His Tag, E. coli

Catalog Number	LDG021PME
Package	5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin

Mouse

Expression system

Escherichia coli

Affinity Tag

His Tag (C-term)

Buffer

Lyophilized from a 0.2 μm filtered solution of 50 mM Tris, 500 mM NaCl, pH 8.5.

Purity

>98% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 20.22 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce proliferation in HUVEC cells. The ED_{50} for this effect is < 10 ng/mL.

Endotoxin level

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

Form

Lyophilized

Background

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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. VEGF165 is an abundant glycosylated cytokine composed of two identical 165 amino acid chains. VEGF165 plays an important role in embryonic vasculogenesis, angiogenesis and neurogenesis.

Synonyms

Vascular endothelial Growth Factors A, VEGF-A

Uniprot ID

NP_033531 3

Sequence Note

Ala205-Arg368

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

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

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.

Image

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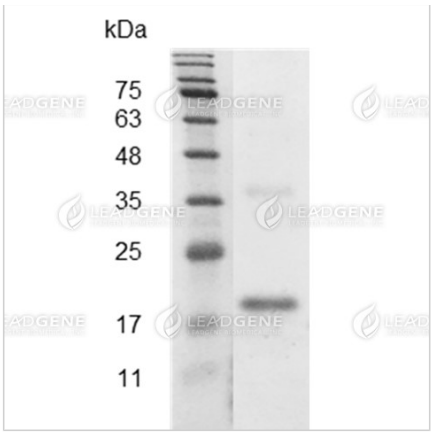

SDS-PAGE analysis of recombinant mouse VEGF165.

Disclaimer : For Research Use or Further Manufacturing Only.

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