Mouse VEGF121, His Tag, E. coli

Catalog Number	LDG020PME
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)

Storage Buffer

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

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 15.01 kDa. The protein migrates as 13 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 <3 ng/mL.

Endotoxin Level

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

Form

Lyophilized

Background

Tainan Headquarters
+886-6-2536677
bd@leadgene.com.tw

Innovation & Research Center
+886-2-27065528

CLD Center
+886-6-2536677

Background

Vascular Endothelial Growth Factors 121 (VEGF121) is a truncated version of VEGF165, which produced in E. coli is a homodimer, non-glycosylated, polypeptide chain and having a molecular mass of 28.4 kDa. There is three different isoforms (120, 164 and 188 a.a.) found in mouse. VEGF 121 shows that lack basic heparin-binding regions and are freely diffusible. Mouse VEGF121 shares 98% identity with corresponding regions of rat, 89% with canine, feline, equine and porcine, and 87% with human, ovine and bovine VEGF, respectively.

Synonyms

Vascular endothelial Growth Factors A, VEGF-A

Uniprot ID

#Q00731

Sequence Note

Ala27-Lys140

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.

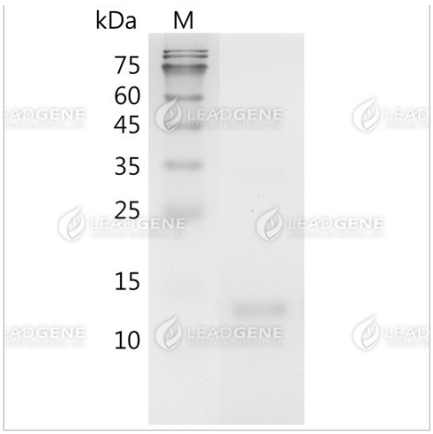
Avoid repeated freeze/thaw cycles.

Image

Tainan Headquarters
+886-6-2536677
bd@leadgene.com.tw

Innovation & Research Center
+886-2-27065528

CLD Center
+886-6-2536677



SDS-PAGE analysis of recombinant mouse VEGF121.

Disclaimer : For Research Use or Further Manufacturing Only.

Tainan Headquarters
+886-6-2536677
bd@leadgene.com.tw

Innovation & Research Center
+886-2-27065528

CLD Center
+886-6-2536677