

For Research Use Only

Recombinant Mouse VEGF120 protein (His Tag)



Catalog Number: Eg0278

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/μg protein, LAL method

Source:

HEK293-derived Mouse VEGF120 protein Ala27-Arg146 (Accession# Q00731-3) with a His tag at the N-terminus.

GeneID:

22339

Accession:

Q00731-3

Predicted Molecular Mass:

18.5 kDa

SDS-PAGE:

Formulation:

Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

VEGFA (vascular endothelial growth factor A) is a cytokine that is a member of the VEGF-A family. VEGF120 is an isoform of the VEGF-A gene produced by selective splicing, and is highly diffusible due to the lack of a heparin-binding domain. VEGF120 plays an important role in angiogenesis and the proliferation, migration, and survival of vascular endothelial cells. In addition, VEGF120 is essential for the formation of the cardiovascular system during embryonic development and is also involved in tissue repair and regeneration in the adult. In the nervous system, VEGF120 inhibits apoptosis of retinal neurons, showing its protective effect on nerve cells.

References

1. Claesson-Welsh, L, and M Welsh. Journal of internal medicine vol. 273,2 (2013): 114-27.

Synonyms

Vegfa, L-VEGF, N-VEGF, Vascular Endothelial Growth Factor, vascular endothelial growth factor A

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

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Selected Validation Data