For Research Use Only

Recombinant Human VEGFC (Myc Tag, His Tag)

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Catalog Number: Eg32025

Basic Information

ED50:
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Species:
Human

Purity:
>90 %, SDS-PAGE

GeneID:
7424

Accession:
P49767

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/ μ g protein, LAL method

Source:
HEK293-derived Human VEGFC protein Thr103-Arg227 (Accession# P49767) with a Myc Tag and a His Tag at the C-terminus.

Predicted Molecular Mass:
16.1 kDa

SDS-PAGE:
20-30 kDa, reducing (R) conditions

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

Biological Activity

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Storage and Shipping

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

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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

Vascular endothelial growth factor C (VEGF-C) is a protein that is a member of the platelet-derived growth factor / vascular endothelial growth factor (PDGF/VEGF) family. The main function of VEGF-C is to promote the growth of lymphatic vessels (lymphangiogenesis). It acts on lymphatic endothelial cells (LECs) primarily via its receptor VEGFR-3 promoting survival, growth and migration. Apart from vascular targets, VEGF-C is also important for neural development and blood pressure regulation.

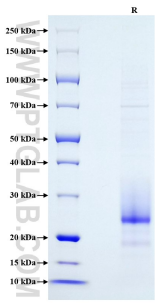
References

1. V Joukov. et al. (1996) EMBO J. 1996 Jan 15;15(2):290-98.
2. Barbara Le Bras. et al. (2006) Nat Neurosci. Mar;9(3):340-8.
3. Agnes Machnik. et al. (2009) Nat Med. 15(5):545-52.

Synonyms

vascular endothelial growth factor C, Vascular endothelial growth factor-related protein, VEGF C, VEGFC, VEGF-C

Selected Validation Data



Purity of Recombinant Human IL22 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.