

For Research Use Only

# Recombinant Human VEGF-C protein (rFc Tag)



Catalog Number: Eg1482

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/μg protein, LAL method

**Source:**

HEK293-derived Human VEGF-C protein Ala112-Arg227 (Accession# P49767) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

7424

**Accession:**

P49767

**Predicted Molecular Mass:**

39.4kDa

**SDS-PAGE:**

42-50 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22 μm filtered solution in 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

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

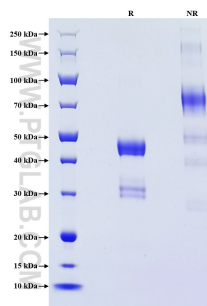
VEGFC, vascular endothelial growth factor C, Vascular endothelial growth factor-related protein, VEGF C

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

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## Selected Validation Data



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