

Recombinant Human VEGFB protein (rFc Tag)

Catalog Number: Eg2458

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/ µg protein, LAL method

Source:

HEK293-derived Human VEGFB protein Pro22-Ala207 (Accession# P497650) with a rabbit IgG Fc tag at the N-terminus.

GeneID:

7423

Accession:

P49765

Predicted Molecular Mass:

46.6 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

Vascular endothelial growth factor B (VEGFB) is the third vascular endothelial growth factor family member to be discovered in 1996. It has been demonstrated that vascular endothelial growth factor B (VEGFB) plays a vital role in regulating vascular biological function. VEGFB binds to vascular endothelial growth factor receptor 1 (VEGFR1) and neuropilin 1 (NRP1), which activates a lot of downstream activators similar to most tyrosine kinase receptors such as p38 MAPK, ERK/MAPK, PKB/AKT, and PI3K.

References

1. Ling, Mingfa et al. International journal of molecular sciences vol. 22,24 13352. 12 Dec. 2021.
2. Namjoo, Mohadeseh et al. Pharmaceuticals (Basel, Switzerland) vol. 16,6 906. 20 Jun. 2023.

Synonyms

VEGF B, VEGF related factor, VEGF-B, VEGF-related factor, VRF

Selected Validation Data

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

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