

Human VEGF-B / VEGFB Protein (Fc Tag)

Catalog Number: 10544-H01H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

VEGFL; VRF

Protein Construction:

A DNA sequence encoding the human VEGFB (NP_003368.1) (Pro22-Ala207) was expressed with the Fc region of human IgG1 at the N-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Bio Activity:

Measured by its binding ability in a functional ELISA.
Immobilized human S4-Fc3L3-VEGFB at 10 µg/ml (100 µL/well) can bind biotinylated human NRP1-Fc(Cat:10011-H02H), The EC₅₀ of biotinylated human NRP1-Fc(Cat:10011-H02H) is 0.03-0.07 µg/mL.

Endotoxin:

< 1.0 EU per µg protein as determined by the LAL method.

Predicted N terminal: Glu

Molecular Mass:

The recombinant human VEGFB consists 446 amino acids and predicts a molecular mass of 47.8 kDa.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Stability & Storage:

Samples are stable for twelve months from date of receipt at -20°C to -80°C.

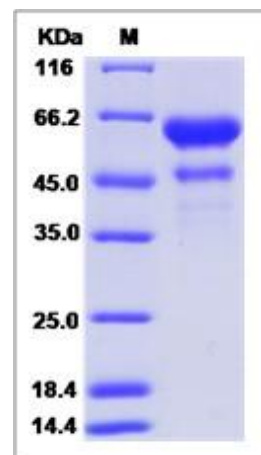
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Vascular endothelial growth factor-B (VEGF-B) is closely related to VEGF-A, an effector of blood vessel growth during development and disease and a strong candidate for angiogenic therapies. In details, VEGFB can positively prevent the Ang II-induced rising in the size of cardiomyocyte as well as reduce Ang II-induced mRNA and protein levels of β -MHC (β -myosin heavy chain), BNP (brain natriuretic peptide), and ANP (atrial natriuretic peptide). Moreover, VEGFB can regulate the decline of the Ang II-induced rising in Ca²⁺.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

Tel: +86-400-890-9989 (Global), +1-215-583-7898 (USA), +49(0)6196 9678656 (Europe)

Website: <http://www.sinobiological.com>