

Rat VEGF-C (aa 108-223, Fc Tag) recombinant protein



Catalog Number: 502930

General Information

Gene Name Synonym

Flt4 ligand; Vascular endothelial growth factor-related protein

Protein Construction

A DNA sequence encoding the rat VEGFC (O35757) (Ala108-Arg223) was expressed, fused with the Fc region of human IgG1 at the N-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

1. Immobilized mouse FLT4-His (Cat:503672) at 10 µg/mL (100 µL/well) can bind rat Fc-VEGFC, The EC₅₀ of rat Fc-VEGFC is 0.41-0.95 µg/mL.
2. Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED₅₀ for this effect is 20-100ng/mL.

Purity

> (73+25.1) % as determined by SDS-PAGE

Endotoxin

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

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Glu

Molecular Mass

The recombinant Rat VEGFC/Fc comprises 376 amino acids and has a predicted molecular mass of 41.5 kDa. The apparent molecular mass of the protein is approximately 44 and 34 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

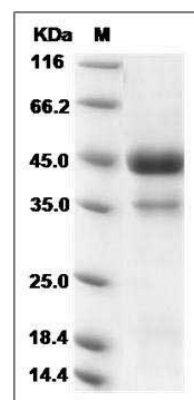
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Rat VEGFC / VEGF-C Protein (aa 108-223, Fc Tag)
SDS-PAGE