

Mouse VEGF / VEGFA / VEGF165 recombinant protein



Catalog Number: 502886

General Information

Gene Name Synonym

Vascular permeability factor

Protein Construction

A DNA sequence encoding the mouse VEGF164 (isoform VEGF-1) (Q00731-2) (Met 1-Arg 190) was expressed and purified.

Organism

Mouse

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED₅₀ for this effect is typically 0.8-4 ng/mL.

Purity

> 90 % 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

Ala 27

Molecular Mass

The recombinant mouse VEGF164 consists of 164 amino acids and has a calculated molecular mass of 19.4 kDa. It migrates as an 24 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM HAC-NaAC, 500mM NaCl, pH 6.5

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

Usage Guide

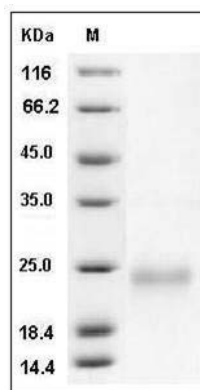
Storage

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



Mouse VEGFA / VEGF164 Protein SDS-PAGE