

Recombinant Mouse VEGF-A/VEGF164 Protein

Catalog No.: RP01060 Recombinant 1 Publications

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Mouse | 22339 | Q00731-2 |

Tags

N-His

Synonyms

MVCD1;VEGFA;VEGF;VPF;VEGFA \square 164 \square

Background

Basic Information

Description

Recombinant Mouse VEGF-A/VEGF164 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ala27-Arg190) of mouse VEGF164 (Accession #NP_001273986.1.) fused with a 6 \times His tag at the N-terminus.

Bio-Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Recombinant Mouse VEGF164 at 1 μ g/mL (100 μ L/well) can bind Recombinant Human VEGFR2 with a linear range of 8-30 ng/mL. 2. Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED₅₀ for this effect is typically 0.006-0.022 ng/mL, corresponding to a specific activity of 4.54×10^7 - 1.67×10^8 units/mg.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Product Information

Source

HEK293 cells

Purification

\geq 95 % as determined by SDS-PAGE.

Calculated MW

20.12 kDa

Observed MW

25-30 kDa

Endotoxin

< 0.1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

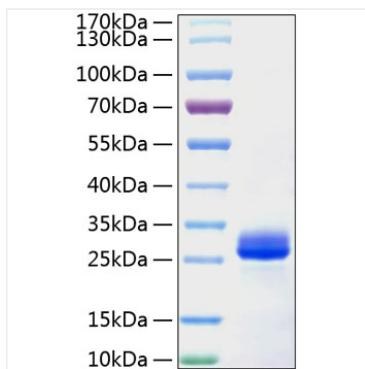
Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

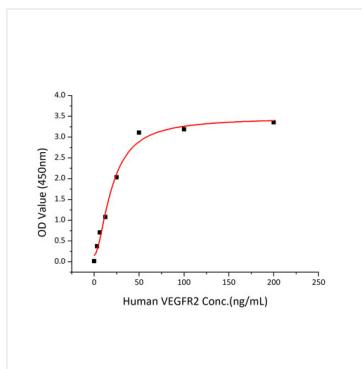
Contact

| | |
|--|--|
|  | 400-999-6126 |
|  | cn.market@abclonal.com.cn |
|  | www.abclonal.com.cn |

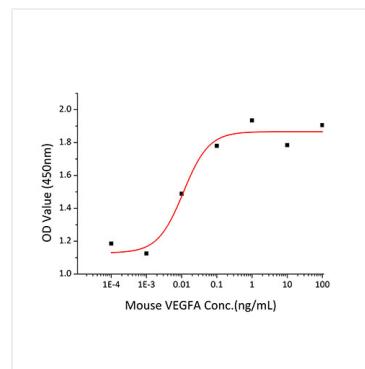
Validation Data



Recombinant Mouse VEGF-A/VEGF164 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Mouse VEGF164 at 1 μ g/mL (100 μ L/well) can bind Recombinant Human VEGFR2 with a linear range of 8-30 ng/mL.



Recombinant Mouse VEGF164 promotes the proliferation of human umbilical vein endothelial cells (HUVEC). The ED₅₀ for this effect is typically 0.006-0.022 ng/mL, corresponding to a specific activity of 4.54×10^7 - 1.67×10^8 units/mg.