General Information

Gene Name Synonym:
MVCD1; VEGF; VEGF165; VPF

Protein Construction:
A DNA sequence encoding the human VEGF 183 isoform (P15692-3) (Met1-Arg209) was expressed.

Source: Human
Expression Host: Baculovirus-Insect Cells

QC Testing
Purity: > 95% as determined by SDS-PAGE.

Bio Activity:
Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED₅₀ for this effect is typically 50-210 ng/mL.

Endotoxin:
< 1.0 EU per μg 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 human VEGF 183 isoform consists of 183 amino acids and has a predicted molecular mass of 21 kDa.

Formulation:
Lyophilized from sterile pH 7.92 100 mM glycine, 10 mM NaCl. 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

Storage:
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.

References

2. Jia SF, et al. (2008) VEGF165 is necessary to the metastatic potential of Fas(-) osteosarcoma cells but will not rescue the Fas(+) cells. J Exp Ther Oncol. 7(2): 89-97.