

Recombinant Human VEGF165

Catalog Number: **HZ-1038**

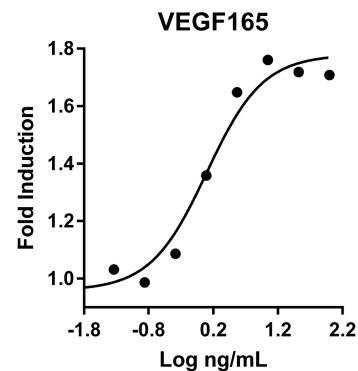
HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species	Human
Expression	HEK293
Activity	Typically ≤ 5 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	45 kDa, homodimer, glycosylated
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	7422



The activity was determined by the dose-dependent stimulation of the proliferation of HUVEC cells (Human Umbilical Vein Endothelial Cells) using Promega CellTiter96[®] Aqueous Non-Radioactive Cell Proliferation Assay.

Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant serum albumin (HSA).

Stability and Storage

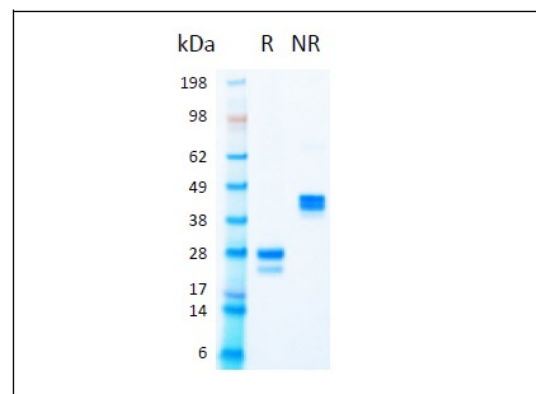
Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Product Description

Animal-free Recombinant Human VEGF 165 is expressed in human 293 cells as a homodimeric glycoprotein with an apparent molecular mass of 45 kDa. The E. coli expressed protein is a monomer-dimer mixture with a molecular mass 18 to 34 kDa. The cytokine is produced in a human cell expression system with serum free, chemically defined media. VEGF, also known as vascular permeability factor (VPF) or vasculotropin, is a homodimeric 34-45 kDa, heparin-binding glycoprotein with potent angiogenic, mitogenic, and vascular permeability enhancing activities specific for endothelial cells.

Synonyms

Vascular Endothelial Growth Factor, VPF, Folliculostellate cell-derived growth factor, Glioma-derived endothelial cell mitogen
Folliculostellate cell derived growth factor, Glioma derived endothelial cell mitogen



The protein was resolved by SDS- polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue. R represents reducing conditions and NR represents non-reducing conditions.

For technical support and original validation data for this product please contact:

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