

**Recombinant Human
VEGF165 (Vascular Endothelial Growth Factor 165)**

Catalog # (Size): HZ-1038 (10µg) HZ-1097 (100µg) HZ-1153 (1000µg)

Product Description

- Endotoxin-free
- Animal-derived product free
- Lyophilized and Carrier Free (CF)
- Authentic Glycosylation Homodimer

Xeno-free VEGF165^{HuXp} 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.

Typical Specifications

Species	Human
Expression	HEK293 Cell Expressed
Activity	Typically ≤ 15 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/µg
Molecular Mass	45 kDa, homodimer, glycosylated
Formulation	1x PBS

Purity Confirmation

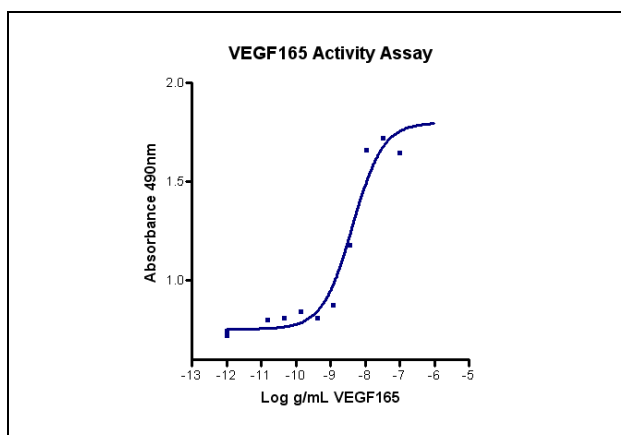
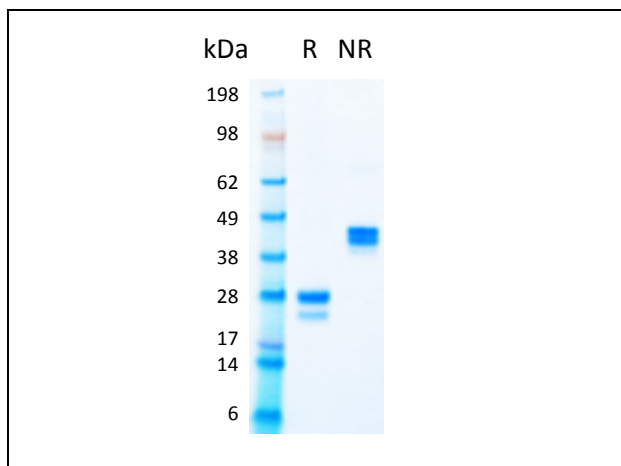
The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

Activity Assay

The activity was determined by the dose-dependent stimulation of the proliferation of HUVEC cells (Human Umbilical Vein Endothelial Cells).



All HumaXpress[®] HumanKine[™] are animal-component-free and Xeno-free[™]



Reconstitution Buffer

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

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