HUMANZYME
HUMAN PROTEINS FROM HUMAN CELLS

PRODUCT DATA SHEET

Recombinant Human
VEGF121 (Vascular Endothelial Growth Factor 121)

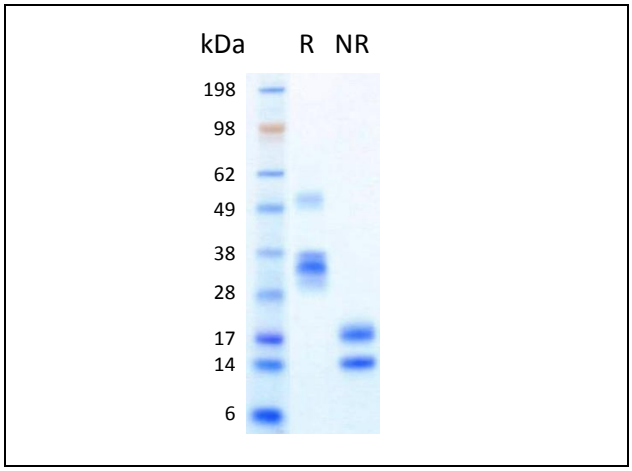
Catalog # (Size): **HZ-1204 (10µg)** **HZ-1205 (100µg)** **HZ-1206 (1000µg)**

Product Description

- Endotoxin-free
- Animal-derived product free
- Lyophilized and Carrier Free (CF)
- Glycosylated Dimer – Trimer

Xeno-free VEGF121[HuXp] is expressed in human 293 cells as a glycosylated cytokine with an apparent molecular mass of 37 kDa as dimer and 50 kDa as trimer. Production in human 293 cells offers authentic glycosylation, contributing to stability in cell growth media. The cytokine is produced in a human cell expression system with serum free, chemically defined media. VEGF121 is a potent growth and angioenic cytokine. It stimulates proliferation and survival of endothelial cells, and promotes angiogenesis and vascular permeability.

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

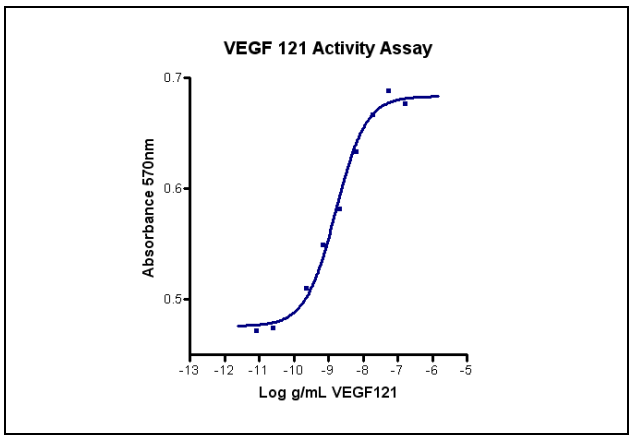


Typical Specifications

Species	Human
Expression	HEK293 Cell Expressed
Activity	Typically ≤ 15 ng/mL EC_{50}
Purity	>95%
Endotoxin	<1 EU/µg
Molecular Mass	37 kDa, homodimer; 50 kDa, homotrimer, 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).

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).

HumanZyme Inc.
2201 W. Campbell Park Dr. #24 Chicago, IL 60612
Phone: 312.738.0127 | Fax: 312.738.0136
Email: info@humanzyme.com