**Product Name: GMP Recombinant Human VEGF165(His Tag)**
**Catalog#: PCH90061**

## Summary

| | |
|---|---|
| **Name** | VEGF165(His Tag) |
| **Purity** | Greater than 95% as determined by reducing SDS-PAGE |
| **Endotoxin level** | ≤10 EU/mg |
| **Construction** | Recombinant Human VEGF165(His Tag) is produced by our Mammalian cell expression system and the target gene encoding Ala 27-Arg 191, with a C-terminal 6-His tag is expressed. |
| **Accession #** | P15692 |
| **Tag** | His Tag |
| **Host** | Mammalian cell |
| **Species** | Human |
| **Predicted MW** | 20 kDa |
| **Form** | Lyophilized |
| **Buffer** | PBS,5% mannitol and 0.01% Tween 80, pH7.4 |
| **Shipping** | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. |
| **Stability&Storage** | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| **Reconstitution** | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## SDS-PAGE image

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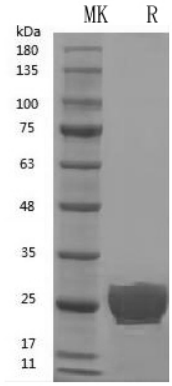
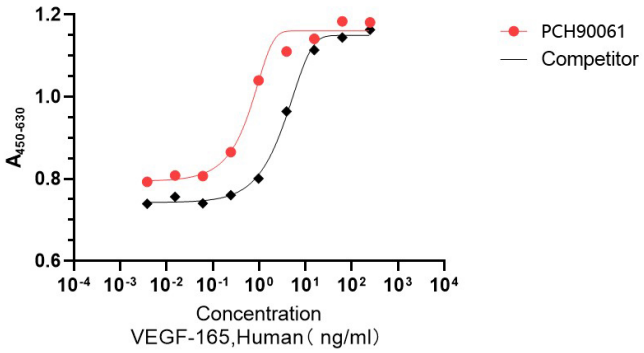



## Bioactivity image




The ED50 for this effect is 0.2-10 ng/mL

## Background

**Alternative Names**

Vascular Endothelial Growth Factor Isoform 165; VEGF165

**References**

Human Vascular endothelial growth factor (VEGF), also known as VEGF-A and vascular permeability factor (VPF), belongs to the platelet-derived growth factor family of cysteine-knot growth factors. It is a potent activator in vasculogenesis and angiogenesis both physiologically and pathologically. VEGF-A has 8 differently spliced isoforms, of which VEGF165 is the most abundant one. VEGF165 is a disulfide-linked homodimer consisting of two glycosylated 165 amino acid polypeptide chains. VEGF stimulates the cellular response through binding to tyrosine kinase receptors VEGFR1 and VEGFR2 on the cell surface. It is widely accepted that VEGFR2 mediate almost all of the known cellular responses to VEGF while the function of VEGFR1 is less defined and is thought to modulate the VEGFR2 signaling.

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## Note

For research use only .