

# rhVEGF 165

## Recombinant Human Vascular Endothelial Growth Factor 165

VEGF is a member of the VEGF family that has biological activities in angiogenesis and lymphangiogenesis. VEGF 165 is one of the splicing variants of VEGF-A, and is a disulfide-linked homodimeric protein consisting of two 165 amino acid polypeptides. VEGF 165 is the most abundant subtype and is widely involved in angiogenesis as a growth factor of vascular endothelial cells.

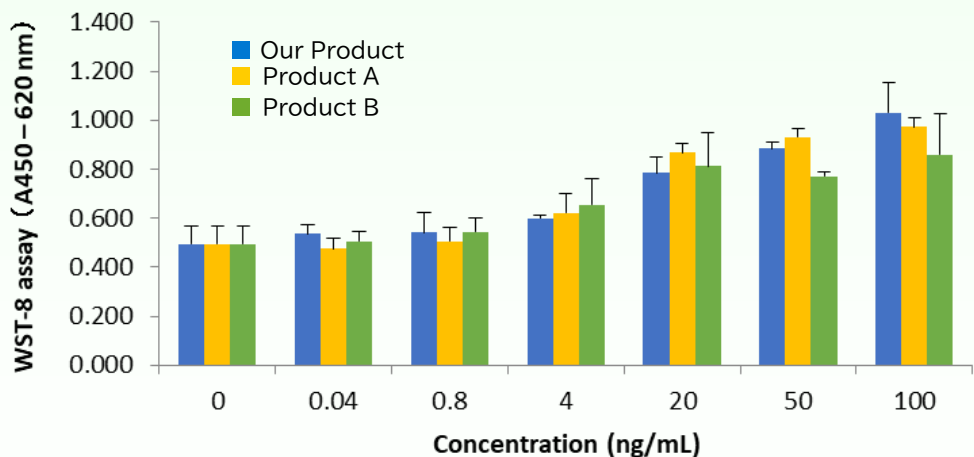
### Specifications

#### Recombinant Human VEGF 165

Host	: <i>E.coli</i>
Origin	: Human
Molecular mass	: 42 kDa (homodimer, T7/His-tag fusion protein)
Concentration	: $\geq 1.0$ mg/mL (20 mM AcOH)
Purity	: $\geq 95\%$ (SDS-PAGE)
Endotoxin level	: $\leq 0.1$ EU/ $\mu$ g
Storage	: Frozen, below $-70^{\circ}\text{C}$

\* Please avoid repeated freezing and thawing.

Cell proliferation assay using HUVEC



Human umbilical vein endothelial cells (HUVEC) were seeded into microplates at concentration of  $2 \times 10^3$  cells/well in the presence of various concentrations of VEGF 165. After 4 days culture at  $37^{\circ}\text{C}$ , proliferation of cells was evaluated by WST-8 assay.

# Support For Cell Culture OYC research reagents

Item	Catalog number	Packing size
Recombinant Human VEGF 165	47581000	20 µg

- \* For bulk inquiry, please contact us below.
- \* For research purposes only. Not for therapeutic or diagnostic use.

## Related products

Item	Catalog number	Packing size
Recombinant Human FGF1 (aFGF)	47078000	100 µg
Recombinant Human FGF2 (bFGF)	47079000	100 µg
Recombinant Human LIF	47076000	20 µg
Recombinant Mouse LIF	47080000	20 µg
Recombinant PDGF-BB	47083000	20 µg
Recombinant EGF	47061000	200 µg
Recombinant IGF-1, APF	47063000	100 µg
Recombinant Activin A	47154000	20 µg

## References

1. Leung DW, *et al.*, Science, Dec 8;246(4935):1306-9. (1989)
2. Park JE, *et al.*, Mol. Biol. Cell., Dec;4(12):1317-26. (1993)
3. Hoeben A, *et al.*, Pharmacol. Rev., Dec;56(4):549-80.(2004)
4. Byrne AM, *et al.*, J. Cell. Mol. Med., Oct-Dec;9(4):777-94. (2005)

Please contact the one that best suits your need.

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