

VEGF164

Catalog # PVGS1177

Specification

VEGF164 - Product Information

Primary Accession **Species**Rat

P16612-2

Sequence

Ala27-Arg190, expressed with an N-terminal Met

Purity

> 95% as analyzed by SDS-PAGE

Endotoxin Level

< 1 EU/ µg of protein by gel clotting method

Biological Activity

ED₅₀ < 4.0 ng/ml, measured by cell proliferation assay of HUVEC.

Expression System

P. pastoris

Formulation

Lyophilized after extensive dialysis against PBS.

Reconstitution

It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH₂O or PBS up to 100 µg/ml.

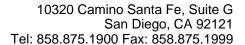
Storage & Stability

Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

VEGF164 - Additional Information

Target Background

Vascular Endothelial Growth Factor A164 (VEGF-A164), a member of the cysteine knot growth factor, is one of major isoforms of VEGF-As. VEGF-As are endothelial cell-specific mitogens with angiogenic and vascular permeability-inducing properties. During maturation, rat VEGF-A is alternatively spliced to generate rVEGF-A120, rVEGF-A164 and rVEGF-A188 which correspond to hVEGF-A121, hVEGF-A165 and hVEGF-A189 in human, respectively (the numbers designate the amino acid residues). The active form of rVEGF-A164 is either a homodimeric or heterodimeric polypeptides which bind to the transmembrane tyrosine kinases receptors FLT1, FLK1 or KDR or to the non-tyrosine kinase neuropilin receptors NRP1/2.





VEGF164 - Protein Information

VEGF164 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

VEGF164 - Images