

Recombinant Rat Vascular Endothelial Growth Factor 164, Yeast

#R00329

Size: 10 µg/100 µg/500 µg

Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
 - 1 month, 2 to 8 °C under sterile conditions after reconstitution.
 - 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

AA Sequence

MAPTTEGEQKAHEVVVKFMDVYQRSYCRPIETLVDIFQ
EYPDEIEYIFKPCSVPLMRCAGCCNDEALECVPTSES
NVTMQIMRIKPHQSQHIGEMSFLQHSRCECRPKKDR
TKPEKHCEPCSEERRKHLFVQDPQTCKCCKNTDSR
CKARQLELNERTCRCDKPRR

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Product Specification

Species	Rat
Source	Yeast
Molecular Weight	Theoretically as a disulfide-linked homodimeric protein, the product consists of two 165 amino acid polypeptide chains. As a result of glycosylation, it migrates to at least two bands with molecular weights ranging from 25.7 kDa in SDS-PAGE under reducing conditions.
Purity	> 95 % by SDS-PAGE and 90% by SEC-HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. Measured in a cell proliferation assay using HUVEC human

	umbilical vein endothelial cells. The ED ₅₀ for this effect is 0.75- 3.75 ng/mL.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin	Less than 0.1 EU/µg of rRtVEGF164, Yeast as determined by LAL method.