

# Recombinant Rat Vascular Endothelial Growth Factor 120, Yeast

## Product Information

### Cat

CGF-024

### Product Name

Recombinant Rat Vascular Endothelial Growth Factor 120, Yeast

### Source

Yeast

### Molecular Weight

Theoretically as a disulfide-linked homodimeric protein, the product consists of two 121 amino acid polypeptide chains. As a result of glycosylation, it migrates to at least two bands with molecular weights ranging from 18.5 kDa in SDS-PAGE under reducing conditions.

### AA Sequence

MAPTTEGEQK AHEVVKFMDV YQRSYCRPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCAGC CNDEALECVP  
TSESNVTMQI MRIKPHQSQH IGEMSFLQHS RCECRPKKDR TKPEKCDKPR R

### 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 ED50 for this effect is 2  $\times$  10 ng/mL.

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation

Lyophilized from a 0.2  $\mu$ m filtered concentrated solution in PBS, pH 7.4.

### Endotoxin

## Recombinant Rat Vascular Endothelial Growth Factor 120, Yeast

Less than 0.1 EU/ $\mu$ g of rRtVEGF120, Yeast as determined by LAL method.

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### Reconstitution

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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  $\leq -20$  °C. Further dilutions should be made in appropriate buffered solutions.

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### Stability & Storage

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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.

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### Usage

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This material is offered by Creative Biomart for research, For research and further manufacturing use only.

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