CREATIVE BIOMART®
Cosmetic Ingredients

Recombinant Murine Vascular Endothelial Growth Factor 120, Yeast

Product Information

Cat

CGF-098

Product Name

Recombinant Murine 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 20.7 kDa in SDS-PAGE under reducing conditions.

AA Sequence

MAPTTEGEQK SHEVIKFMDV YQRSYCRPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCAGC CNDEALECVP TSESNITMQI 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 1-4 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

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Less than 0.1 EU/μg of rMuVEGF120, Yeast as determined by LAL method.

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.

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.

Usage

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

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