

Recombinant Human Vascular Endothelial Growth Factor 165, Yeast-derived

#R00135

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

MAPMAEGGGQNHHEVVKFMDVYQRSYCHPIETLVDI
FQEYPDEIEYIFKPSCVPLMRCGGCCNDEGLECVPT
EESNITMQIMRIKPHQGQHIGEMSFLQHNKCECRPKK
DRARQENPCGPCSERRKHLFVQDPQTCKCCKNTD
SRCKARQLELNERTCRCDKPRR

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

Synonyms	Vascular Endothelial Growth Factor Isoform 165
Accession	P15692-4
GeneID	7422
Species	Human
Source	Yeast
Molecular Weight	Theoretically as a disulfide-linked homodimeric protein, the product consists of two 166 amino acid polypeptide chains. As a result of glycosylation, it migrates to at least three bands with molecular weights ranging from 20-31 kDa in SDS-PAGE under reducing conditions.
Purity	> 97 % by SDS-PAGE and HPLC analyses.

Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by a cell proliferation assay using human umbilical vein endothelial cells(HUVEC) is between 1.0-8.0 ng/ml.
Physical Appearance Formulation	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4, with 0.02 % Tween-20.
Endotoxin	Less than 0.1 EU/µg of rHuVEGF165 as determined by LAL method.