

Product Sheet

VEGF-165, human recombinant

Catalog # VEGF-010; VEGF-050; VEGF-250; VEGF-1000

Description VEGF is a potent growth and angiogenic cytokine. It stimulates proliferation and survival of endothelial cells, and promotes angiogenesis and vascular permeability. Expressed in vascularized tissues, it plays a prominent role in normal and pathological angiogenesis. StemRD's VEGF-165 is made in human 293 cells as a 45kDa glycoprotein consisting of two 165 amino acid polypeptide chains. It is purified by a series of chromatography.

Formulation Lyophilized in sterile filtered solution of PBS.

Reconstitution Before reconstitution, a brief spin is recommend to drive down any material dislodged from the bottom of the tube. The lyophilized protein should be reconstituted in sterile H₂O to a desired concentration.

Stability The lyophilized protein is stable for at least one year if stored at -80 degree C. Reconstituted protein is stable for at least four weeks at 4 degree C, but should be stored in aliquots at -80 degree C for longer term. Avoid repeated freeze and thaw.

Purity Greater than 95% as determined by SDS-PAGE analysis and visualized by silver staining.

Biological Activity The activity was determined by using a HUVEC cells. The ED50 ranges from 2- 10 ng/ml. Activity in other assays should be determined by each individual setting.

Country of Origin USA

For Research Use Only. Not for Use in Human.