Mouse VEGF (121 a.a.) Recombinant Protein

RPPB1077

Product Information

Product SKU:
RPPB1077

Accession:
Q00731

Host:
Saccharomyces cerevisiae

Protein Information

Protein description:
Vascular Endothelial Growth Factor (121 a.a.) Mouse Recombinant produced in yeast is a disulfide-linked homodimer consisting of 2x121 amino acid polypeptide chains, having a molecular mass of approximately 20.7kDa each.VEGF (121 a.a.) is purified by proprietary chromatographic techniques.

Appearance:
Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:
Vascular endothelial growth factor A, VEGF-A, Vascular permeability factor, VPF, VEGF, MGC70609.

Formulation:
Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH 7.4.

Purity:
Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:
It is recommended to reconstitute the lyophilized Vascular Endothelial Growth Factor (121 a.a.) in sterile 18MΩ-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Stability:
Lyophilized VEGF (121 a.a.) although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Vascular Endothelial Growth Factor (121 a.a.) should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.

Amino Acid Sequence:
MAPTTEGEQK SHEVIKFMDV YQRSYCRPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCAGC CNDEALECVP TSESNITMQI MRIKPHQSQH IGEMSFLQHS RCECRPKKDR TKPEKCDKPR R.

Biological Activity:
The activity was measured in a cell proliferation assay using HUVEC human umbilical vein endothelial cells and was found to be 1-4 ng/ml.