

Mouse VEGF (121 a.a.) Recombinant Protein



RPPB1074

Product Information Protein Information

Product SKU:

RPPB1074

Accession:

Q00731

Host:

Escherichia Coli.

Protein description:

Vascular Endothelial Growth Factor-121 Mouse Recombinant produced in E.Coli is a homodimer, non-glycosylated, polypeptide chain containing 121 amino acids and having a molecular mass of 28.4 kDa. Recombinant Mouse VEGF-121 is a truncated version of Murine VEGF-165. The VEGF-121 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:

The protein was lyophilized from a concentrated (1mg/ml) solution with no additives.

Purity:

Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized VEGF-121 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized VEGF-121 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VEGF-121 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MAPTTEGEQK SHEVIKFMDV YQRSYCRPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCAGC CNDEALECVP
TSESNITMQI MRIKPHQSQH IGEMSFLQHS RCECRPKKDR TKPEKCDKRPR R.