

Angiostatin Kringles 1-4 Human

Item Number rAP-2638

Synonyms

Description Human Angiostatin kringles 1-4 is produced from Human Fluid is a glycosylated polypeptide chain which migrates as a doublet 50 kDa on SDS-PAGE. The Ang K1-4 is purified by proprietary chromatographic techniques.

Uniprot Accession Number

Amino Acid Sequence

Source Human Fluid.

Physical Appearance and Stability Sterile Filtered lyophilized powder. Lyophilized Angiostatin Kringles 1-4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Angiostatin Kringles 1-4 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.

Formulation and Purity Lyophilized from a (1mg/ml) solution in containing 20mM Hepes buffer pH-8.2 & 20mM NaCl. Greater than 98.0% as determined by SDS-PAGE.

Application

Solubility It is recommended to reconstitute the lyophilized Angiostatin K1-4 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Biological Activity Human Angiostatin Kringles 1-4 significantly inhibits basic-FGF induced endothelial cell proliferation and migration at concentration ranging from 300nM-1.0 µM.

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**