

Angiostatin Kringles 1-3 Human Recombinant

Item Number	rAP-4355
Synonyms	Angiostatin, Angiostatin Kringles 1-3, Ang K1-3.
Description	Angiostatin Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 259 amino acids and having a molecular mass of approximately 30.0 kDa. The Ang K1-3 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	
Amino Acid Sequence	VYLSECKTGN GKNYRGTM SK TKNGITCQKW SSTSPHRPRF SPATHPSEGL EENYCRNPDN DPQGPWCYTT DPEKRYDYCD ILECEEECMH CSGENYDGKI SKTMSGLECQ AWDSQSPHAH GYIPSKFPNK NLKKNYCRNP DRELRPWCFT TDPNKRWELC DIPRCTTPPP SSGPTYQCLKGTGENYRGNV AVTVSGHTCQ HWSAQTPH TH NRTPENFPCK NLDENYCRNP DGKRAP- WCHT TNSQVRWEYC KIPSCDSSP.
Source	Escherichia coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. The lyophilized Angiostatin K1-3 is stable for several weeks at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 20mM NaAc, pH5.5, 4% mannitol. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	We recommend to briefly centrifuge the vial 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
Biological Activity	The activity is assayed on anti-proliferation and anti-migration of endothelial cells in vitro and anti-angiogenesis in vivo. The specific activity of anti-migration of endothelial cells in vitro is 55,000 Units/mg.
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**