

32-3185: Angiostatin K1-3 Recombinant Protein

Alternative Name : Angiostatin, Angiostatin Kringles 1-3, Ang K1-3.

Description

Source : Escherichia coli. 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. Ang K1-3 is a proteolytic fragment of plasminogen containing the first three kringle structures. A specific inhibitor of endothelial cell growth and angiogenesis. More active relative to kringles 1-4. Ang K1-3 reduces endothelial cell proliferation and acts as a potent inhibitor of angiogenesis and tumor growth.

Product Info

Amount : 100 µg

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

Content : Lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 20mM NaAc, pH5.5, 4% mannitol.

Storage condition : 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 , apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

Amino Acid : VYLSECKTGN GKNYRGTMSK TKNGITCQKW SSTSPHRPRF SPATHPSEGL EENYCRNPDN
DPQGPWCYTT DPEKRYDYCD ILECEEECMH CSGENYDGKI SKTMSGLEQC AWDSQSPHAH GYIPSKFPNK
NLKKNYCRNP DRELRPWCFT TDPNKRWELC DIPRCTTPPP SSGPTYQCLKGTGENYRGNV AVTVSGHTCQ
HWSAQTPHHTH NRTPENFPCK NLDENYCRNP DGKRAPWCHT TNSQVRWEYC KIPSCDSSP.

Application Note

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 working aliquots and stored at 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.

