PLG
Recombinant Human Plasminogen Angiostatin Kringles 1-3

Catalog No.	CRA007A	**Quantity:**	10 µg
	CRA007B		50 µg
	CRA007C		1.0 mg

Description: Angiostatin is proteolytically processed from plasminogen, a secreted blood zymogen. Angiostatin reduces endothelial cell proliferation and acts as a potent inhibitor of angiogenesis and tumor growth.
Recombinant Human Angiostatin, Kringle domains 1-3 (Ang K1-3) is a proteolytic fragment of Plasminogen (PLG) containing the first three of Angiostatin's four Kringle domains. Ang K1-3 is more active than Kringles 1-4. Recombinant Human Ang K1-3 is a single, non-glycosylated polypeptide chain containing 259 amino acids corresponding to residues 97-356.

GeneID: 5340

Source: *E. coli*

Molecular Weight: 29.7 kDa

Formulation: Lyophilized from sterile filtered 20 mM Sodium Acetate pH 5.5 + 4% Mannitol

Purity: >95% by SDS-PAGE and HPLC

Endotoxin Level: <1 EU/µg of protein

Biological Activity: Fully biologically active compared to standard. The activity is determined by an anti-proliferation and anti-migration assay using endothelial cells *in vitro* and anti-angiogenesis *in vivo*.

Specific Activity: 5.5×10^5 Units/mg

Amino Acid Sequence: VYLSECKTGN GKNYRGTMSK TKNGITCQKW SSTSPHRPRF SPATHPSEGL EENYCRNPDN DPQGPWCYTT DPEKRYDYCD ILECEEECMH CSGENYDGKI SKTMSGLECQ AWDSQSPHAH GYIPSKFPNK NLKKNYCRNP DRELRPWCFT TDPNKRWELC DIPRCTTPPP SSGPTYQCLK GTGENYRGNV AVTVSGHTCQ HWSAQTPHTH NRTPENFPCK NLDENYCRNP DGKRAPWCHT TNSQVRWEYC KIPSCSSP

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: Stable at 2-8°C, but should be kept desiccated at -20°C. Upon reconstitution, stable for up to 1 week at 2-8°C. Store in working aliquots below -20°C. **Avoid repeated freeze-thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.