Recombinant Human Plasminogen Angiostatin Kringles 1-3

**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 x 10^5 Units/mg

**Amino Acid Sequence:**
VYLSECKTG NGKYRGTS MK TKNGITCQKW SSTSPHRPRF SPATHPSEGL EENYCRNPDN DPQGPWCTTT DPEKRYDYCD LECEDECM MHCSGENYDGKI SKTMSGLECB AWDSSQSPHAH GYIPSFKPNK NLKKNYCRNP DRELPCWFCT TDPNKRWELC DIPRCTRPPP SSGPTYQCKL GTGENYGRNV ATVSGHTCQ HWSAQTPHTH NRTPEFPCK 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.

PLG
Recombinant Human Plasminogen Angiostatin Kringles 1-3

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

**Quantity:**
- 10 µg
- 50 µg
- 1.0 mg

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