

## PLG

### Recombinant Human Plasminogen Kringles 1-3

<b>Catalog No.</b>	CRA007A CRA007B CRA007C	<b>Quantity:</b>	20 µg 100 µg 1.0 mg
<b>Alternate Names:</b>	Angiostatin		
<b>Description:</b>	Recombinant human Angiostatin is a single, non-glycosylated polypeptide chain containing 259 amino acids.		
<b>Concentration:</b>	1 mg/ml		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	30.0 kDa		
<b>Formulation:</b>	Lyophilized from a 0.2 µm sterile filtered solution in 20 mM NaAc, pH 5.5 + 4% mannitol		
<b>Purity:</b>	> 95% as determined by SDS-PAGE and RP-HPLC analyses		
<b>Endotoxin Level:</b>	< 0.1 ng/µg of protein		
<b>Biological Activity:</b>	The activity is assayed on anti-proliferation and anti-migration of endothelial cells <i>in vitro</i> and anti-angiogenesis <i>in vivo</i> . The specific activity of anti-migration of endothelial cells <i>in vitro</i> is 0.55 x 10 <sup>5</sup> Units/mg.		
<b>Amino Acid Sequence:</b>	VYLSECKTGN GKNYRGTMSK TKNGITCQKW SSTSPHRPRF SPATHPSEGL EENYCRNPDN DPQGPWCYTT DPEKRYDYCD ILECEEECMH CSGENYDGKI SKTMSGLECQ AWDSQSPHAH GYIPSKFPNK NLKKNYCRNP DRELRPWCFT TDPNKRWELC DIPRCTTPPP SSGPTYQCLKGTGENYRGNV AVTVSGHTCQ HWSAQTPHTH NRTPENFPCK NLDENYCRNP DGKRAPWCHT TNSQVRWEYC KIPSCDSSP		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> First add sterile distilled water or aqueous buffer containing 0.1% BSA to the vial to fully solubilize the protein to a concentration of 0.1-1.0 mg/ml. Further dilutions can then be made in appropriate buffered solutions.		
<b>Storage &amp; Stability:</b>	Store lyophilized protein at -20°C. Reconstituted protein is stable for 1 week at 2-4°C or in working aliquots at -20°C to -80°C for longer storage. <b>Avoid repeated freeze-thaw cycles.</b>		

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