

Angiostatin K1-3, human recombinant

CATALOG #:	4920-20	20 µg
	4920-100	100 µg
	4920-1000	1 mg
SOURCE:	<i>E. coli</i>	
PURITY:	>95% by SDS-PAGE and HPLC	
MOL. WEIGHT:	30.0 kDa	
FORM:	Sterile filtered and lyophilized from 20 mM Sodium Acetate, pH 5.5, 4% mannitol	
RECONSTITUTION:	Briefly centrifuge the vial prior to opening . 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 divided into working aliquots and stored at -20°C. Further dilutions should be made in appropriate buffered solutions.	
STORAGE CONDITIONS:	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, subdivide the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.	
DESCRIPTION:	Ang K1-3 is a single, non-glycosylated polypeptide chain containing 259 amino acids. It represents a proteolytic fragment of plasminogen containing the first three kringle structures. A specific inhibitor of endothelial cell growth and angiogenesis. Displays increased inhibitory activity (ED ₅₀ =70 nM) relative to kringles 1-4 (ED ₅₀ = 135 nM). Ang K1-3 reduces endothelial cell proliferation and acts as a potent inhibitor of angiogenesis and tumor growth.	
BIOLOGICAL ACTIVITY:	The activity is assayed on anti-proliferation and anti-migration of endothelial cells in vitro and anti-angiogenesis <i>in vivo</i> . The specific activity of anti-migration of endothelial cells in vitro is 0.55×10 ⁵ Units/mg.	

RELATED PRODUCTS:

- Angiostatin Human (Cat. No. 4919-100, 500)
- Endostatin, Human Recombinant (Cat. No. 4799-100, 1000)

FOR RESEARCH USE ONLY! Not to be used on humans.