

Recombinant Human Angiostatin K1-3
(rhAngiostatin K1-3)
Catalog Number: 103-09

Description	Angiostatin is a proteolytic fragment of plasminogen and has been shown to act as a potent inhibitor of angiogenesis, particularly endothelial cell proliferation, and tumor growth. Angiostatin K1-3 isoform of angiostatin robustly induces the expression of E-selectin mRNA via the binding of AP1 and Ets-1 transcription factors.
Synonyms	Angiostatin Kringles 1-3, Ang K1-3
AA Sequence	VYLSECKTGN GKNYRGTM SK TKNGITCQKW SSTSPHRPRF SPATHPSEGL EENYCRNPDN DPQGPWCYTTD PEKRYDYCDI LECEEECMHC SGENYDGKIS KTMSGLECA WDSQSPHAH GYIPSKFPNK NLKKNYCRNP DRELRPWCFT TDPNKRWELC DIPRCTTPPP SSGPTYQCLK GTGENYRGNV AVTVSGHTCQ HWSAQTPH TH NRTPENFPCK NLDENYCRNP DGKRAPWCHT TNSQVRWEYC KIPSCDSSP
Source	<i>Escherichia coli</i>
Molecular Weight	Approximately 30.0 kDa, a single non-glycosylated polypeptide chain containing 259 amino acids.
Purity	>95% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active. 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 0.55×10 ⁵ Units/mg.
Physical Appearance	White lyophilized powder.
Formulation	Lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 20mM NaAc, pH5.5, 4% mannitol.
Endotoxin	< 1EU/µg of growth factor as determined by LAL method.
Reconstitution	Reconstitute in sterile distilled water containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL.
Storage	Store at -20°C after receiving. Upon reconstitution, store at 2-8°C for up to one week. For maximal stability, aliquot and store at -20°C. Avoid repeated freeze/ thaw cycles.
Usage	This product is for research use only. It is not approved for use in humans, animals, or <i>in vitro</i> diagnostic procedures.