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Datasheet for ABIN987759 Angiostatin Protein (ANG)

Overview

Quantity:	50 µg
Target:	Angiostatin (ANG)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	VYLSECKTGN GKNYRGTM SK TKNGITCQKW SSTSPHRPRF SPATHPSEGL EENYCRNP DN DPQGPWCYTT DPEKRYDYCD ILECEEECMH CSGENYDGKI SKTMSGLECQ AWDSQSPHAH GYIPSKFPNK NLKKNYCRNP DREL RPWCFT TDPNKRWELC DIPRCTTPPP SSGPTYQCLK GTGENYRG NV AVTVSGHTCQ HWSAQTPH TH NRTPENFPCK NLDENYCRNP DGKRAPWCHT TNSQVRWEYC KIPSCDSS
Characteristics:	Fully biologically active when compared to standard. The activity is assayed on anti-proliferation and anti-migration of endothelial cells in vitro and anti-angiogenesis in vivo. The specific activity of anti-migration of endothelial cells in vitro is 0.55×10 ⁵ Units/mg.
Purity:	> 95 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/µg of rHuAngiostatin as determined by LAL method

Target Details

Target:	Angiostatin (ANG)
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Target Details

Alternative Name:	Angiostatin K1-3 (ANG Products)
Background:	Angiostatin K1-3 is a ~30 kDa fragment of plasminogen that has been shown to act as a potent inhibitor of angiogenesis and tumor growth in vitro and in vivo. Recombinant angiostatin is expressed in E. coli. Synonym: Angiostatin K1-3, Human. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 20mM NaAc, pH5.5, 4% mannitol.
Molecular Weight:	Approximately 30.0 KDa, a single non-glycosylated polypeptide chain containing 259 amino acids.
Pathways:	Lipid Metabolism

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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 apportioned into working aliquots and stored at < -20 °C. Further dilutions should be made in appropriate buffered solutions.
Storage:	4 °C