

Angiostatin K1-3, human recombinant protein
Angiostatin K1-3, Angiostatin Kringles 1-3
Catalog # PBV10488r**Specification**

Angiostatin K1-3, human recombinant protein - Product info

Primary Accession [P00747](#)
Calculated MW **30.0 kDa**

Angiostatin K1-3, human recombinant protein - Additional Info**Other Names**

Angiostatin K1-4, Angiostatin Kringles 1-4, plasminogen

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	HPLC; ≥95%
Recombinant	Yes
Results	0.55×10⁵ Units/mg.

Application Notes

Reconstitute in sterile distilled H₂O or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.

Format

Lyophilized protein

Storage

-20°C; From 20 mM Sodium Acetate, pH 5.5, 4% mannitol

Angiostatin K1-3, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Angiostatin K1-3, human recombinant protein - Images**Angiostatin K1-3, human recombinant protein - Background**

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.

Angiostatin K1-3, human recombinant protein - References

Petersen T.E., et al. J. Biol. Chem. 265:6104-6111(1990).

Forsgren M., et al. FEBS Lett. 213:254-260(1987).

Browne M.J., et al. Submitted (OCT-1991) to the EMBL/GenBank/DDBJ databases.

Mungall A.J., et al. Nature 425:805-811(2003).

Sottrup-Jensen L., et al. Submitted (JUL-1977) to the PIR data bank.