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Endostatin, human recombinant protein
Collagen alpha-1(XVIII) chain
Catalog # PBV10399r

Specification

Endostatin, human recombinant protein - Product info

Primary Accession	P39060
Calculated MW	**20.5 kDa KDa**

Endostatin, human recombinant protein - Additional Info

Gene ID	**80781**
Gene Symbol	**COL18A1**

Other Names
Collagen alpha-1(XVIII) chain, Endostatin-XV, Related to endostatin, Restin

Gene Source	**Human**
Source	**E. coli**
Assay&Purity	**SDS-PAGE; ≥95%**
Assay2&Purity2	**HPLC;**
Recombinant	**Yes**

Application Notes
Reconstitute with sterile dH_2O to a concentration ≥ 1.0 mg/ml, aliquot and store at below –20°C. Avoid freeze-thaw cycles.

Format
Lyophilized protein

Storage
-20°C; Sterile filtered and lyophilized from 50 mM Tris, pH 8.0

Endostatin, 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 Cytomety
- Cell Culture

Endostatin, human recombinant protein - Images

Endostatin, human recombinant protein - Background

Endostatin has been identified as a C-terminal fragment of Collagen type 18, a recently identified

member of a family of collagen-like proteins referred to as multiplexin family Endostatin specifically inhibits proliferation of endothelial cells although it does not affect the proliferation of EOMA cells. Endostatin also potently inhibits angiogenesis and tumor growth. Endostatin has an important role in endothelial cell adhesion and cytoskeletal organization. Endostatin can be found in vessel walls (elastic fibers) and basement membranes. Recombinant human Endosatin expressed in yeast causes G1 arrest of endothelial cells, and endostatin treatment results in apoptosis of HUVE and HMVE cells.

Endostatin, human recombinant protein - References

Saarela J.,et al.Matrix Biol. 16:319-328(1998).
Elamaa H.,et al.Matrix Biol. 22:427-442(2003).
Hattori M.,et al.Nature 405:311-319(2000).
Oh S.P.,et al.Genomics 19:494-499(1994).
Feng Y.,et al.Sheng Wu Gong Cheng Xue Bao 17:278-282(2001).