

Endostatin Active Protein | COL18A1 active protein

Human Endostatin

CATALOG # AAA79266	HOST E Coli	REACTIVITY Human
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PRODUCT SYNONYMS

Endostatin; Human Endostatin; Recombinant Human Endostatin; COL18A1 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	98 % (SDS-PAGE, HPLC)
Form/Format	Lyophilized from 10mM Sodium Phosphate, pH 7.5
Sequence	MHSHRDFQPV LHLVALNSPL SGGMRGIRGA DFQCFQQARA VGLAGTFRAF LSSRLQDLYS IVRRADRAAV PIVNLKDELL FPSWEALFSG SEGPLKPGAR IFSFDGKDVL RHPTWPQKSV WHGSDPNGRR LTESYCETWR TEAPSATGQA SSSLGGRLLG QSAASCHHAY IVLCIENSFM TASK
Sequence Length	1516
Endotoxin Level	< 0.1 ng per ug of protein (<1EU/ug)
Biological Activity	Measured by its ability to inhibit HUVEC migration.
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Preparation and Storage	The lyophilized protein is stable at room temperature for 1 month and at 4°C for 3 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for COL18A1 active protein	Endostatin is a naturally occurring 20 kDa polypeptide derived from the C-terminal portion of type XVIII collagen. It functions as an anti-angiogenic cytokine that is expressed in various organs with the highest levels in liver, lung and kidney. Endostatin inhibits angiogenesis by blocking the pro-angiogenic activities of VEGF and FGF-basic. Recombinant human Endostatin is a 20.2 kDa protein consisting 184 amino acid residues.
Product Categories/Family for COL18A1 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	110611235
NCBI GeneID	80781
NCBI Accession #	NP_085059.2
NCBI GenBank Nucleotide #	NM_030582.3
UniProt Accession #	P39060 ; Q58EX6 ; Q6RZ39 ; Q6RZ40 ; Q6RZ41 ; Q8N4S4 ; Q8WXI5 ; Q96T70 ; Q9UK38 ; Q9Y6Q7 ; Q9Y6Q8 ; A8MVI4
Molecular Weight	20.2 kDa

NCBI Official Full Name	collagen alpha-1(XVIII) chain isoform 1
NCBI Official Synonym Full Names	collagen, type XVIII, alpha 1
NCBI Official Symbol	COL18A1
NCBI Official Synonym Symbols	KS; KNO; KNO1
NCBI Protein Information	collagen alpha-1(XVIII) chain; collagen alpha-1(XVIII) chain; endostatin; antiangiogenic agent; multi-functional protein MFP
UniProt Protein Name	Collagen alpha-1(XVIII) chain
UniProt Gene Name	COL18A1
UniProt Entry Name	COIA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-human-active-protein/endostatin/79266>