

## Overview

<b>Synonyms</b>	Endostatin;
<b>Description</b>	Endostatin is a cleaved product of the carboxyl-terminal domain of collagen XVIII. It functions as an anti-angiogenic cytokine that is expressed in various organs especially with high levels in liver, lung, and kidney. Endostatin inhibits angiogenesis by blocking the pro-angiogenic activities of VEGF and FGF-basic. Recombinant Endostatin expressed in yeast, which causes G1 arrest of endothelial cells. Endostatin treatment results in apoptosis of HUVE and HMVE cells. Recombinant human Endostatin is a 20.2 kDa protein consisting of 184 amino acid residues.
<b>Species</b>	Human
<b>Source</b>	<i>P. pastoris</i>
<b>Biological Activity</b>	Determined by Endothelial Cell Tube Formation. The cells treated with 10µg/ml Endostatin showed significant anti-angiogenesis effect.
<b>Sequence</b>	AHSHRDFQPV LHLVALNSPL SGGMRGIRGA DFQCFQQARA VGLAGTFRAF LSSRLQDLYS IVRRADRAAV PIVNLKDELL FPSWEALFSG SEGPLKPGAR IFSFDGKDVL RHPTWPQKSV WHGSDPNRR LTESYCETWR TEAPSATGQA SSLGGRLLG QSAASCHHAY IVLCIENFSM TASK

## Properties

<b>Purity</b>	Greater than 97% by SDS-PAGE
<b>Formulation</b>	The sterile filtered solution was lyophilized with 17 mM citric-phosphate buffer, pH 6.2.
<b>Endotoxin Level</b>	Endotoxin level is less than 0.1 ng per µg (1EU/µg) of Endostatin.
<b>Storage</b>	The lyophilized Endostatin is stable for a few weeks at room temperature, but best stored at -20°C. For the first use, reconstitute in water, aliquot and store at -20°C to avoid multiple freeze-thaws.

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