

**Recombinant Human Endostatin  
(rhEndostatin)  
Catalog Number: 103-12**

<b>Description</b>	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. It specifically inhibits proliferation of endothelial cells although it does not affect the proliferation of EOMA cells. Endostatin also potently inhibits angiogenesis and tumor growth and has an important role in endothelial cell adhesion and cytoskeletal organization. Endostatin localizes to vessel walls (elastic fibers) and basement membranes. Recombinant Endostatin is derived from C-terminal portion of type XVIII collagen. Recombinant Endostatin causes apoptosis of HUVEC and HMVE cells.
<b>Synonyms</b>	None
<b>Source</b>	<i>Escherichia coli</i>
<b>Molecular Weight</b>	Approximately ~20kDa, a single glycosylated, polypeptide
<b>Purity</b>	>96% by SDS-PAGE and HPLC analyses.
<b>Biological Activity</b>	Fully biologically active. Specific activity is 50,000 units/mg, as determined by inhibition of ECE migration
<b>Physical Appearance</b>	White lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
<b>Endotoxin</b>	< 1EU/µg of growth factor as determined by LAL method.
<b>Reconstitution</b>	Reconstitute in sterile distilled water containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL.
<b>Storage</b>	Store at -20°C after receiving. Upon reconstitution, store at 2-8°C for up to one week. For maximal stability, aliquot and store at -20°C. Avoid repeated freeze/ thaw cycles.
<b>Usage</b>	This product is for research use only. It is not approved for use in humans, animals, or <i>in vitro</i> diagnostic procedures.