

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

Description	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.
Synonyms	None
Source	<i>Escherichia coli</i>
Molecular Weight	Approximately ~20kDa, a single glycosylated, polypeptide
Purity	>96% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active. Specific activity is 50,000 units/mg, as determined by inhibition of ECE migration
Physical Appearance	White lyophilized powder.
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin	< 1EU/µg of growth factor as determined by LAL method.
Reconstitution	Reconstitute in sterile distilled water containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL.
Storage	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.
Usage	This product is for research use only. It is not approved for use in humans, animals, or <i>in vitro</i> diagnostic procedures.