

## Product Datasheet

### Recombinant Endostatin, Human (orb1494618)

<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>Endotoxins</b>	Endotoxin level is less than 0.1 ng per µg (1EU/µg) of Endostatin.
<b>Preservatives</b>	The sterile filtered solution was lyophilized with 17 mM citric-phosphate buffer, pH 6.2.
<b>Form/Appearance</b>	The sterile filtered solution was lyophilized with 17 mM citric-phosphate buffer, pH 6.2.
<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.
<b>Note</b>	For research use only
<b>Application notes</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/ml.
<b>Protein Sequence</b>	AH SHRDFQPVLH LVALNSPLSG GMRGIRGADF QCFQQARAVG LAGTFRAFLS SRLQDLYSIV RRADRAAVPI VNLKDELLFP SWEALFSGSE GPLKPGARIF SFDGKDVLRH PTWPQKSVWH GSDPNGRRLT ESYCETWRTE APSATGQASS LLGGRLLGQS AASCHHAYIV LCIENSFMTA SK
<b>Purity</b>	Greater than 97% by SDS-PAGE
<b>Source</b>	P. pastoris
<b>MW</b>	~20.2 kDa, observed by reducing SDS-PAGE.
<b>Expiration Date</b>	6 months from date of receipt.

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