

Endostatin, Human Recombinant

Catalog No.	CRE301A CRE301B CRE301C	Quantity:	20 µg 100 µg 1.0 mg
Concentration:	5 mg/ml		
Description:	Recombinant Human Endostatin produced in <i>Pichia Pastoris</i> is a single, glycosylated, polypeptide having a total MW = 20 kDa with a C-terminal fragment of collagen XVIII that has been shown to act as a potent inhibitor of angiogenesis and tumor growth <i>in vitro</i> and <i>in vivo</i> . Induces tyrosine phosphorylation of Shc (SH2 domain adapter protein) leading to specific inhibition in endothelial cell proliferation.		
Source:	<i>Pichia Pastoris</i>		
Formulation:	Sterile filtered liquid in PBS		
Purity:	Greater than 98.0% as determined by analysis by RP-HPLC, anion-exchange FPLC and analysis by reducing and non-reducing SDS-PAGE silver-stained gel.		
Endotoxin Level:	Less than 0.1 ng/µg (1 EU/µg) of recombinant human Endostatin.		
Dimers & Aggregates:	Less than 1% as determined by silver-stained SDS-PAGE gel analysis.		
Biological Activity:	Fully biologically active when compared to standards. The activity calculated by ECE migration inhibition was found to be 50,000 IU/mg.		
Amino Acid Sequence:	In total agreement with the expected amino acid composition of native human endostatin.		
Storage & Stability:	Human Endostatin, although stable at 2-4°C for 1 month, should be stored desiccated below -20°C for future use. Avoid repeated freeze-thaw cycles.		
Protein Content:	Protein quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm. 2. Analysis by RP-HPLC, using a calibrated solution of Endostatin as a Reference Standard.		

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