

Rev06
Update: Aug,20,2025

DATASHEET

Endostatin, Human

Cat. No.: Z02533

Product Introduction

Species	Human
Protein Construction	Endostatin (Ala1571-Lys1754) Accession # P39060
Purity	> 97% as analyzed by SDS-PAGE
Endotoxin Level	< 1 EU/μg of protein by gel clotting method
Biological Activity	Determined by Endothelial Cell Tube Formation. The cells treated with 10 μg/ml Endostatin showed significant anti-angiogenesis effect.
Expression System	P. pastoris
Theoretical Molecular Weight	20.2 kDa
Formulation	Lyophilized from a sterile filtered solution in 17 mM citric-phosphate buffer, pH 6.2.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for 6 months at lower than -70°C. Upon reconstitution, the product should be stable for 1 week at 4°C or for 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Background

Target Background : 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. In-vitro studies have shown endostatin blocks the proliferation and organization of endothelial cells into new blood vessels. In animal studies endostatin inhibited angiogenesis and growth of both primary tumors and secondary metastasis.

Synonyms : Endostatin

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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