

Endostatin Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human

Cat. No.:
RBG10120020 (20 µg)
RBG10120100 (100 µg)
RBG10120250 (250 µg)

Description

Endostatin is a naturally occurring 20 kDa polypeptide derived from the C-terminal portion of type XVIII collagen. It functions as an anti-angiogenic cytokine that is expressed in various organs, with the highest levels in liver, lung and kidney. Endostatin inhibits angiogenesis by blocking the pro-angiogenic activities of VEGF and FGF-basic. Recombinant Human Endostatin is a 20.2 kDa protein consisting of 184 amino acid residues.

Research topic

Oncology

Amino Acid Sequence

MHSHRDFQPV LHLVALNSPL SGGMRGIRGA DFQCFQQARA VGLAGTFRAF LSSRLQDLYS IVRRADRAAV PIVNLKDELL
FPSWEALFSG SEGPLKPGAR IFSFDGKDV L RHPTWPQKSV WHGSDPNGRR LTESYCETWR TEAPSATGQA SLLGGRLLG
QSAASCHHAY IVLCIENSFM TASK

Source

E. coli

Purity

98%

Biological Activity

Measured by its ability to inhibit HUVEC migration.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C

Storage, Stability/Shelf Life

-20°C

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