Maspin Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: SerpinB5, Protease inhibitor 5

Cat. No.:

RBG10210005	(5 µg)
RBG10210020	(20 µg)
RBG10210100	(100 µg)

Description

Maspin (mammary serine protease inhibitor) is a non-inhibitory serpin that is expressed predominantly in normal mammary epithelial cells, but at significantly reduced levels or absent in most breast carcinomas. It has the ability to block the growth, invasiveness, and metastatic potential of breast and lung tumors. This anti-tumor activity is achieved, in part, by the contribution of maspin to the inhibition of angiogenesis, and its ability to preferentially promote apoptosis of tumor cells. Recombinant Human Maspin is a 42.1 kDa non-glycosylated protein containing 375 amino acid residues.

Research topic

Apoptosis, Cardiovascular disease, Coronary artery disease, Oncology

Amino Acid Sequence

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MDALQLANSA FAVDLFKQLC EKEPLGNVLF SPICLSTSLS LAQVGAKGDT ANEIGQVLHF ENVKDIPFGF QTVTSDVNKL
SSFYSLKLIK RLYVDKSLNL STEFISSTKR PYAKELETVD FKDKLEETKG QINNSIKDLT DGHFENILAD NSVNDQTKIL
VVNAAYFVGK WMKKFPESET KECPFRLNKT DTKPVQMMNM EATFCMGNID SINCKIIELP FQNKHLSMFI LLPKDVEDES
TGLEKIEKQL NSESLSQWTN PSTMANAKVK LSIPKFKVEK MIDPKACLEN LGLKHIFSED TSDFSGMSET KGVALSNVIH
KVCLEITEDG GDSIEVPGAR ILQHKDELNA DHPFIYIIRH NKTRNIIFFG KFCSP
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Source

E. coli

Purity

97%

Biological Activity

Data not Available.

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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