

## Datasheet for ABIN935650 **SERPINB5 Protein**



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### Overview

Quantity:	20 µg
Target:	SERPINB5
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Sequence: MDALQLANSA FAVDLFKQLC EKEPLGNVLF SPICLSTSLA 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 KGVALSNIH KVCLEITEDG GDSIEVPGAR ILQHKDELNA DHPFIYIIRH  
NKTRNIIFFG KFCSP

Characteristics: Purified recombinant Human Maspin protein  
Expression System: E.coli

Purity: > 97 % pure

Endotoxin Level: < 0.1 ng per µg (1 EU/µg).

### Target Details

Target: SERPINB5  
Alternative Name: Maspin ([SERPINB5 Products](#))

## Target Details

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**Background:** 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 ability of Maspin to inhibit angiogenesis and to preferentially promote apoptosis of tumor cells.

Alternative Names: Protease inhibitor 5 protein, SerpinB5 protein

**Molecular Weight:** 42.2 kDa

**Pathways:** [p53 Signaling](#)

## Application Details

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**Application Notes:** Each Investigator should determine their own optimal working dilution for specific applications.

**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Buffer:** Supplied as a lyophilized powder.

**Handling Advice:** Avoid repeated freeze/thaw cycles.

**Storage:** 4 °C/-20 °C

**Storage Comment:** Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.