

Maspin, human recombinant
Serpin B5, PI-5
Catalog # PBV11498r**Specification**

Maspin, human recombinant - Product info

Primary Accession [P36952](#)
Calculated MW **42.1 kDa** KDa

Maspin, human recombinant - Additional Info

Gene ID **5268**
Other Names
Serpin B5, PI-5

Gene Source **Human**
Source **E. coli**
Assay&Purity **SDS-PAGE;> 95%**
Assay2&Purity2 **HPLC;> 95%**
Recombinant **Yes**
Sequence **MDALQLANSA FAVDLFKQLC EKEPLGNVLF
SPICLSTSLS LAQVGAKGDT ANEIGQVLHF
ENVKDIPFGF QTVTSDVNKL SSFYSLKLIK
RLYVDKSLNL STEFISSTKR PYAKELETVD
FKDKLEETKG QINNSIKDLT DGHFENILAD
NSVNDQTKIL VVNAAYFVGK WMKKFPESET
KECPFRLNKT DTKPVQMMNM EATFCMGNID
SINCKIIEP FQNKHLMSFI LLPKDVEDES
TGLEKIEKQL NSELSQWTN PSTMANAKVK
LSIPKFKVEK MIDPKACLEN LGLKHIFSED
TSDFSGMSET KGVALSNVIH KVCLEITEDG
GDSIEVPGAR ILQHKDELNA DHPFIYIIRH
NKTRNIIFFG KFCSP**

Target/Specificity
SERPINB5

Application Notes
Reconstituted in ddH2O at 100 µg/mL.

Format
Lyophilized

Storage
-20°C;Lyophilized after extensive dialysis against PBS.

Maspin, human recombinant - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Maspin, human recombinant - Images

Maspin, human recombinant - Background

Maspin is a non-inhibitory member of the serpin superfamily, a group of 40-60 kDa serine protease inhibitors. Maspin was discovered in 1994 and has been identified in prostate, thymus, testis, intestine, tongue, and lung. Recently Maspin received a great deal of attention due to its potential apoptotic role in cancers. Maspin expression predicts a better prognosis for several types of carcinomas including breast, prostate, colon, and oral squamous cell carcinoma. The level of Maspin is also inversely correlated to VEGF-A, an angiogenic factor. Researchers found that Maspin may play its apoptotic role as an endogenous inhibitor of histone deacetylase I (HDAC I). Therefore, Maspin is a potential personalized marker of Non-Small Cell Lung Carcinoma (NSCLC).