

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

Specification

Maspin, human recombinant - Product info

Primary Accession Calculated MW

<u>P36952</u> 42.1 kDa KDa

Maspin, human recombinant - Additional Info

Gene ID Other Names Serpin B5, PI-5

Gene Source Source Assay&Purity Assay2&Purity2 Recombinant Sequence 5268

Human E. coli **SDS-PAGE;> 95%** HPLC;> 95% Yes 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**

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.



- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

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 squamus 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).