

AR09212PU-L

Human SERPINB5 / Maspin (1-375, His-tag) - Purified

Alternate names:

PI-5, PI5, Peptidase inhibitor 5, Protease inhibitor 5, Serpin B5

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

Serine (or cysteine) proteinase inhibitor clade B (ovalbumin) member 5, also known as Maspin, is a tumor suppressor protein of serine proteinase inhibitor family. It plays an essential role in embryonic development through critical roles in cell adhesion. Also, it is present in normal breast and prostatic epithelial cells but downregulated in the respective carcinomas.

Uniprot ID:

[P36952](#)

NCBI:

[NP_002630](#)

GeneID:

[5268](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)

Description:

Recombinant human Maspin, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MDALQLANSA FAVDLFKQLC EKEPLGNVLF SPICLSTSL
LAQVGAKGDT ANEIGQVLHF ENKDVDPFGF QTVTSDVNKL SSFYSLKLIK RLYVDKSLNL
STEFISSTKR PYAKELETVD FKDKLEETKG QINNSIKDLT DGHFENILAD NSVNDQTKIL
VVNAAYFVGK WMKKFPESET KECFPRVNKT DTKPVQMMNM EATFCMGNID SINCKIMELP
FQNKHLSMFI LLPKDVEDES TGLEKIEKQL NSESLSQWTN PSTMANAKVK LSIPKFKVEK
MIDPKACLEN LGLKHIFSED TSDFSGMSET KGVALSNIH KVCLEITEDG GDSIEVPGAR
ILQHKDELNA DHPFIYIIRH NKTRNIIFFG KFCSP

Molecular weight: 44.2 kDa (395 aa)

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

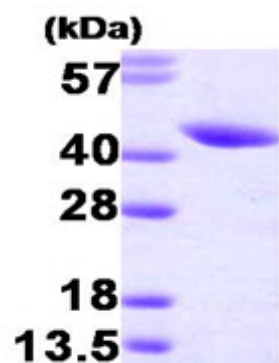
General Readings:

Lockett J., et al. (2006). J Cell Biochem. 97(4):651-60.

Khalkhali Ellis Z., et al. (2006). Clin Cancer Res. 12(24):7279-83.

Pictures:

Recombinant human Maspin, 1-375 aa,
His-tagged: 15% SDS-PAGE (3 µg)



15% SDS-PAGE (3ug)

