

Product information



Maspin, 1-375aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0331

Full name: Serine (or cysteine) proteinase inhibitor clade B (ovalbumin) member 5

Synonyms: Serpin B5, Protease inhibitor 5, SERPINB5, PI5

NCBI Accession No.: NP_002630

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

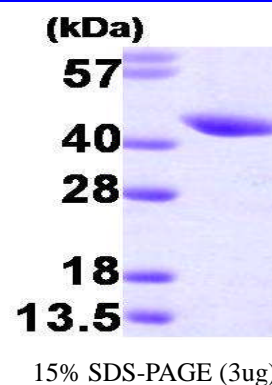
Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Molecular Weight: 44.2 kDa (395aa)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

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



Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MDALQLANSA FAVDLFKQLC EKEPLGNVLF SPICLSTSL S LAQVGAKGDT ANEIGQVLHF ENVKDVPFGF
QTVTSDVNKL SSFYSLKLIK RLYVDKSLNL STEFISSTKR PYAKELETVD FKDKLEETKG QINNSIKDLT DGHFENILAD NSVNDQTKIL
VVNAAYFVGK WMKKFPES E KECPFRVNKT DTKPVQMMNM EATFCMGNID SINCKIMELP FQNKHL SMFI LLPKDVEDES TGLEKIEKQL
NSESLSQWTN PSTMANAKVK LSIPKFKVEK MIDPKACLEN LGLKHIFSED TSDFSGMSET KGVALS NVIH KVCLEITEDG GDSIEVPGAR
ILQHKDELNA DHPFIYIIRH NKTRNIIFFG KFCSP

General references:

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.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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