

Recombinant Human SERPINB5, His-tagged

Cat. No. SERPINB5-28523TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human MASPIN fused to His tag at N-terminus; amino acids 1-375 , 44.2kDa.
Species	Human
Source	E.coli
ProteinLength	1-375 a.a.
Description	Maspin is a serpin and tumor suppressor gene.
Conjugation	HIS
Tissue specificity	Normal mammary epithelial cells.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MDALQLANSA FAVDLFKQLC EKEPLGNVLF

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SPICLSTSLA LAQVGAKGDT ANEIGQVLHF ENVKDVPPGF QTVTSDVNKL
 SSFYSLKLIK RLYVDKSLNL STEFISSTKR PYAKELETVD FKDKLEETKG
 QINNSIKDLT DGHFENILAD NSVNDQTKIL VVNAAYFVGK WMKKFPESET
 KECFVRVNTK DTKPVQMMNM EATFCMGNID SINCKIMELP FQNKHLSMFI
 LLPKDVEDES TGLEKIEKQL NSESLSQWTN PSTMANAKVK LSIPKFKVEK
 MIDPKACLEN LGLKHIFSED TSDFSGMSET KGVALSNVIH KVCLEITEDG
 GDSIEVPGAR ILQHKDELNA DHPFIYIIRH NKTRNIIFFG KFCSP

Sequence Similarities

Belongs to the serpin family. Ov-serpin subfamily.

Full Length

Full L.

GENE INFORMATION

Gene Name

SERPINB5 serpin peptidase inhibitor, clade B (ovalbumin), member 5 [Homo sapiens]

Official Symbol

SERPINB5

Synonyms

SERPINB5; serpin peptidase inhibitor, clade B (ovalbumin), member 5; PI5, serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5; serpin B5; maspin; protease inhibitor 5 (maspin);

Gene ID

5268

mRNA Refseq

NM_002639

Protein Refseq

NP_002630

MIM

154790

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Uniprot ID	P36952
Chromosome Location	18q21.3
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; p53 signaling pathway, organism-specific biosystem; p53 signaling pathway, conserved biosystem;
Function	protein binding; serine-type endopeptidase inhibitor activity;

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