

Mammary Serine Protease Inhibitor Recombinant Protein | Maspin recombinant protein

Recombinant Mammary Serine Protease Inhibitor (Maspin)

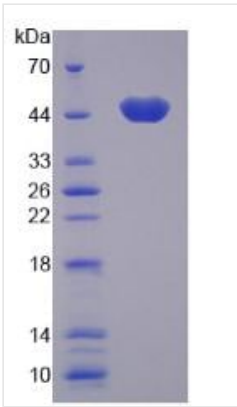
CATALOG # AAA144001	HOST Host: E ColiSource: Prokaryotic expression	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Mammary Serine Protease Inhibitor; Recombinant Mammary Serine Protease Inhibitor (Maspin); Maspin recombinant protein

PRODUCT SPECIFICATIONS

Host	Host: E Coli Source: Prokaryotic expression
Purity/Purification	>95%
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Sequence	The target protein is fused with two N-terminal Tags, His-tag and T7-tag. The sequence is listed below. MDALQLANSAFAVDLFKQLCEKEPLGNVLFSPICLSTSLSLAQVGAKGDTANEIGQVLHFENVKDVPGFQQTVDVNKLSSFYSLKLIKRLYVDKSLNLSTEFISSTKRPYAKELETVDFDKLEETKGQINNSIKDLTDGHFENILADNSVNDQTKILVVNAAYFVGKWMKKFSESETKECPFRVNTDTKPVQMMNMEATFCMGNIDSINCKIIELPFQNKHLSMILLPKDVEDESTGLEKIEKQLNSESLSQWTNPSTMANAKVKLSIPKFKVEKMIDPKACLNLGLKHIFSEDTSDFSGMSETKGVALSNVIHKVCLEITE DGGDSIEVPGARILQHKDELNADHPFIYIIRHNKTRNIIFFGKFCSP
Sequence Length	375
Applicable Applications for Maspin recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Predicted Molecular Mass	45.8kDa
Accurate Molecular Mass (KD)	46kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Expression System	Prokaryotic expression
Tag	N-terminal His-Tag
Organism Species	Homo sapiens (Human)
Fragment	Met1~Pro375
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



MDALQLANSA FAVDLFKQLC EKEPLGNVLF SPICLSTSLA LAQVGAKGDT
ANEIGQVLHF ENVKDVPPGF QTVTSDVNKL SSFVSLKLIK RLYVDKSLNL
STEFISSTKR PYAKELETVD FKDKLEETKG QINNSIKDLT DGHFENILAD
NSVNDQTKIL VVNAAYFVGK WMKKFSESET KECPRVVKNT DTKPVQMMNM
EATFCMGNID SINCKIIELP FQNKHLSMFI LLPKDVEDES TGLEKIEKQL
NSESLSQWTN PSTMANAKVK LSIPKFVEK MIDPKACLEN LGLKHIFSED
TSDFSGMSET KGVALSNIH KVCLEITEDG GDSIEVPGAR ILQHKDELNA
DHPFIYIIRH NKTRNIIFFG KFCSP

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	453369
NCBI GeneID	5268
Molecular Weight	25,763 Da
NCBI Official Full Name	maspin
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade B (ovalbumin), member 5
NCBI Official Symbol	SERPINB5
NCBI Official Synonym Symbols	PI5; maspin
NCBI Protein Information	serpin B5
UniProt Protein Name	Serpin B5
UniProt Gene Name	SERPINB5
UniProt Synonym Gene Names	PI5; PI-5
UniProt Entry Name	SPB5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.