

Maspin Recombinant Protein | SERPINB5 recombinant protein

Maspin, 1-375aa, Human, His tag, E Coli

CATALOG # AAA48540	HOST E Coli	APPLICATIONS SDS-Page
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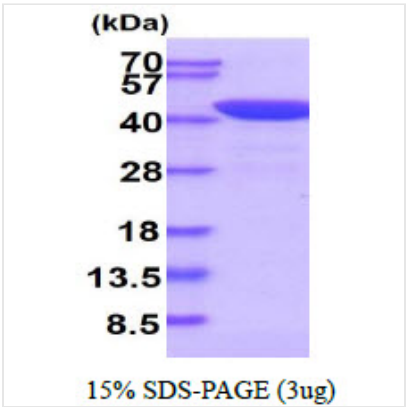
PRODUCT SYNONYMS

Maspin; 1-375aa; Human; His tag; E Coli; Serine (or cysteine) proteinase inhibitor clade B (ovalbumin) member 5; Serpin B5; Protease inhibitor 5; SERPINB5; PI5; Serine (or cysteine) proteinase inhibitor clade B (ovalbumin) member 5 Serine (or cysteine) peptidase inhibitor; clade B; member 5; Ovalbumin; PI-5; Serpin peptidase inhibitor; clade B (ovalbumin); Spi5; Spi7.; SERPINB5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 10% glycerol.
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MDALQLANSA FAVDLFKQLC EKEPLGNVLF SPICLSTSLA LAQVGAKGDT ANEIGQVLHF ENVKDVPGF QTVTSDVNKL SSFYSLKLIK RLYVDKSLNL STEFISSTKR PYAKELETVD FKDKLEETKG QINNSIKDLT DGHFENILAD NSVNDQTKIL VVNAAYFVGK WMKKFPESET KECPRVNKT DTKPVQMMNM EATFCMGID SINCKIMELP FQNKHLMSFI LLPKDVEDES TGLEKIEKQL NSESLSQWTN PSTMANAKVK LSIPKFKVEK MIDPKACLEN LGLKHIFSED TSDFSGMSET KGVALSNVIH KVCLEITEDG GDSIEVPGAR ILQHKDELNA DHPFIYIIRH NKTRNIIFFG KFCSP
Sequence Length	375
Applicable Applications for SERPINB5 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for SERPINB5 recombinant protein	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.
Product Categories/Family for SERPINB5 recombinant protein	Proteases & Inhibitors
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.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	167860126
NCBI GeneID	5268
NCBI Accession #	NP_002630
NCBI GenBank Nucleotide #	NM_002639.4
UniProt Accession #	P36952 ; Q6N0B4 ; Q8WW89 ; B2R6Y4
Molecular Weight	44.2 kDa (395aa), confirmed by MALDI-TOF.
NCBI Official Full Name	serpin B5
NCBI Official Synonym Full Names	serpin family B 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

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.

