

Recombinant human Serpin B5/Maspin protein

Catalog Number: ATGP0331

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-375aa

UniProt No.

P36952

NCBI Accession No.

AY893387

Alternative Names

Serine (or cysteine) proteinase inhibitor clade B (ovalbumin) member 5, 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, Serpin peptidase inhibitor, clade B (ovalbumin), member 5, SERPINB5, Spi5, Spi7.

PRODUCT SPECIFICATION

Molecular Weight

44.2 kDa (395aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Serine (or cysteine) proteinase inhibitor clade B (ovalbumin) member 5, also known as Maspin, is a tumor

Recombinant human Serpin B5/Maspin protein

Catalog Number: ATGP0331

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.

Amino acid Sequence

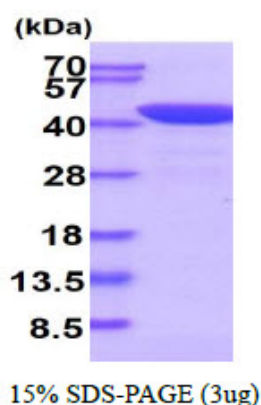
MGSSHHHHHH SSGLVPRGSH MDALQLANSA FAVDLFKQLC EKEPLGNVLF SPICLSTSLS LAQVGAKGDT ANEIGQVLHF
ENVKDVPFGF QVTSDVNKL SSFYSLKLIK RLYVDKSLNL STEFISSTKR PYAKELETVD FKDKLEETKG QINNSIKDLT
DGHFENILAD NSVNDQTKIL VVNAAYFVGK WMKKFPESET KECPRVNKT DTKPVQMMNM EATFCMGNID SINCKIMELP
FQNKHLSMFI LLPKDVEDES TGLEKIEKQL NSELSQWTN PSTMANAKVK LSIPKFKVEK MIDPKACLEN LGLKHIFSED
TSDFGMSET KGVALSNVIH 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.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.