

# Recombinant human Serpin B2/PAI-2 protein

Catalog Number: ATGP2847

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-415aa

### UniProt No.

P05120

### NCBI Accession No.

NP\_001137290

### Alternative Names

Plasminogen activator inhibitor 2, HsT1201, PAI, PAI-2, PAI2, PLANH2

## PRODUCT SPECIFICATION

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### Molecular Weight

49.0 kDa (438aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1mM DTT

### Purity

> 80% by SDS-PAGE

### 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

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### Description

SERPINB2 belongs to the serpin family. This protein inhibits urokinase-type plasminogen activator. The monocyte derived PAI-2 is distinct from the endothelial cell-derived PAI-1. Recombinant human SERPINB2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>MEDLCVA NTLFALNLFK HLAKASPTQN LFLSPWSISS TMAMVYMGR  
GSTEDQMAKV LQFNEVGANA VTPMTPENFT SCGFMQQIQK GSYPDAILQA QAADKIHSSF RSLSSAINAS TGNYLLESVN

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KLFGEKSASF REEYIRLCQK YYSSEPQAVD FLECAEEARK KINSWVKTQT KGKIPNLLPE GSVGDGTRMV LVNAVYFKGK  
WKTPEKKNL NGLYPFRVNSA QRTPVQMMYL REKLNIGYIE DLKAQILELP YAGDVSMFLL LPDEIADVST GLELLESEIT  
YDKLNKWT SKDKMAEDEVEV YIPQFKLEEH YELRSILRSM GMEDAFNKGR ANFSGMSERN DLFLSEVFHQ AMVDVNEEGT  
EAAAGTGGVM TGRTGHGGPQ FVADHPFLFL IMHKITNCIL FFGRFSSP

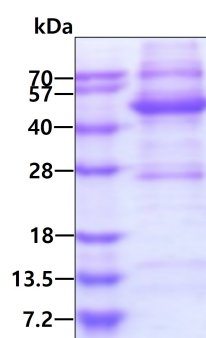
## General References

Schleuning W.-D., et al, (1987) Mol. Cell. Biol. 7:4564-4567.

Ye R.D., et al, (1989) J. Biol. Chem. 264:5495-5502.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.