

## Product datasheet

# Recombinant Human PAI1 protein ab53388

1 Image

### Description

<b>Product name</b>	Recombinant Human PAI1 protein
<b>Purity</b>	> 95 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	VHHPPSYVAHLASDFGV RVFQQVAQAS KDRNVVFSFY GVASVLAMLQ LTTGGETQQQ IQAAMGFKID DKGMAPALRH LYKELMGPWN KDEISTDAI FVQRDLKLVQ GFMPHFFRLF RSTVKQVDFS EVERARFIIN DWVKTHTKGM ISNLLGKGAV DQLTRLVLVN ALYFNGQWKT PFPDSSTHRR LFHKSDGSTV SVPMAQTNK FNYTEFTTPD GHYDILELP YHGD T L S M F I AAPYEKEVPL SALTNILSAQ LISHWKGNMT RLPRLLVLPK FSLETEVDLR KPLENLGMTD MFRQFQADFT SLSDQEPLHV AQALQVKVIE VNESGTVASS STAVV/SARM APEEIIMDRP FLFVVRHNPT GTVLFMGQVM EP
<b>Amino acids</b>	24 to 402

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab53388** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** SDS-PAGE

**Form** Liquid

### Preparation and Storage

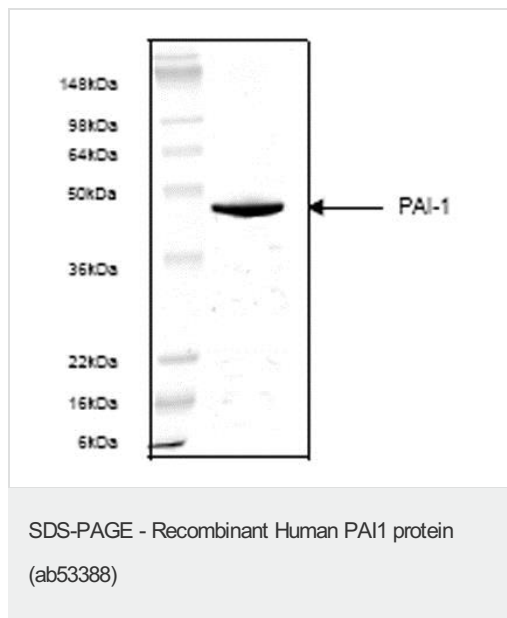
**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

pH: 8.00  
Constituents: 0.242% Tris, 50% Glycerol

## General Info

<b>Function</b>	This inhibitor acts as 'bait' for tissue plasminogen activator, urokinase, and protein C. Its rapid interaction with TPA may function as a major control point in the regulation of fibrinolysis.
<b>Tissue specificity</b>	Found in plasma and platelets and in endothelial, hepatoma and fibrosarcoma cells.
<b>Involvement in disease</b>	Defects in SERPINE1 are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1D) [MIM:613329]. It is a hematologic disorder characterized by increased bleeding after trauma, injury, or surgery. Affected females have menorrhagia. The bleeding defect is due to increased fibrinolysis of fibrin blood clots due to deficiency of plasminogen activator inhibitor-1, which inhibits tissue and urinary activators of plasminogen. Note=High concentrations of SERPINE1 seem to contribute to the development of venous but not arterial occlusions.
<b>Sequence similarities</b>	Belongs to the serpin family.
<b>Post-translational modifications</b>	Inactivated by proteolytic attack of the urokinase-type (u-PA) and the tissue-type (TPA), cleaving the 369-Arg-Met-370 bond.
<b>Cellular localization</b>	Secreted.

## Images



SDS page analysis of ab53388

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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