

Datasheet for ABIN2731825

**PAI1 Protein (Transcript Variant 1) (His tag)**[Go to Product page](#)

## Overview

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Quantity:                     | 10 µg                                       |
| Target:                       | PAI1 (SERPINE1)                             |
| Protein Characteristics:      | Transcript Variant 1                        |
| Origin:                       | Human                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This PAI1 protein is labelled with His tag. |
| Application:                  | Antibody Production (AbP), Standard (STD)   |

## Product Details

|                  |                                                                                                                                                                                               |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Characteristics: | <ul style="list-style-type: none"><li>• Recombinant human SERPINE1 / PAI1 (transcript variant 1) protein expressed in HEK293 cells.</li><li>• Produced with end-sequenced ORF clone</li></ul> |
| Purity:          | > 95 % as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                  |
| Endotoxin Level: | Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).                                                                                                                                           |

## Target Details

|                   |                                                                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | PAI1 (SERPINE1)                                                                                                                                                                           |
| Alternative Name: | Serpine1,pai1 ( <a href="#">SERPINE1 Products</a> )                                                                                                                                       |
| Background:       | This gene encodes a member of the serine proteinase inhibitor (serpin) superfamily. This member is the principal inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA), and |

## Target Details

hence is an inhibitor of fibrinolysis. Defects in this gene are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1 deficiency), and high concentrations of the gene product are associated with thrombophilia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

|                   |                                                                                                                                                                                                                         |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Molecular Weight: | 43.82kD                                                                                                                                                                                                                 |
| NCBI Accession:   | <a href="#">NP_000593</a>                                                                                                                                                                                               |
| Pathways:         | <a href="#">p53 Signaling</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Autophagy</a> , <a href="#">Smooth Muscle Cell Migration</a> |

## Application Details

|                    |                                                                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Recombinant human proteins can be used for:<br>Native antigens for optimized antibody production<br>Positive controls in ELISA and other antibody assays |
| Comment:           | The tag is located at the C-terminal.                                                                                                                    |
| Restrictions:      | For Research Use only                                                                                                                                    |

## Handling

|                  |                                                                                                                                                                                                                                                                                |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buffer:          | Lyophilized from a 0.2 µM filtered solution of 20 mM HAc-NaAc, 150 mM NaCl, pH 4.0                                                                                                                                                                                             |
| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Storage:         | -80 °C                                                                                                                                                                                                                                                                         |
| Storage Comment: | Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.                                                                                                                              |