

# Recombinant Mouse Serpin E1/PAI-1 Protein (His Tag)

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by Elabscience

Catalog Number:PKSM041124

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

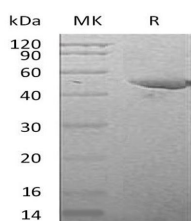
## Description

|                                    |                                                                                                         |
|------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>                    | Plasminogen activator inhibitor 1;Endothelial plasminogen activator inhibitor;Serpine1;Mr1;Pai1;Planh1; |
| <b>Species</b>                     | Mouse                                                                                                   |
| <b>Expression Host</b>             | HEK293 Cells                                                                                            |
| <b>Sequence</b>                    | Phe22-Pro402                                                                                            |
| <b>Accession</b>                   | G5E899                                                                                                  |
| <b>Calculated Molecular Weight</b> | 43.7 kDa                                                                                                |
| <b>Observed molecular weight</b>   | 50 kDa                                                                                                  |
| <b>Tag</b>                         | C-His                                                                                                   |

## Properties

|                       |                                                                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.                                                                                                                                                                                                                    |
| <b>Endotoxin</b>      | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                               |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.                         |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.                                                                                                                                                                               |
| <b>Formulation</b>    | Lyophilized from a 0.2 µm filtered solution of PBS, 5% Trehalose, 5% Mannitol, 0.02% Tween 80, 1mM EDTA, pH7.4.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific b |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.                                                                                                                                                                                                  |

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Plasminogen activator inhibitor-1 (serpin E1) is a serine protease inhibitor which belongs to the serpin family. Serpin E1 acts as 'bait' for tissue plasminogen activator, urokinase, protein C and matrilysin-3/TMPRSS7. Its rapid interaction with PLAT may function as a major control point in the regulation of fibrinolysis.

## For Research Use Only

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Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017