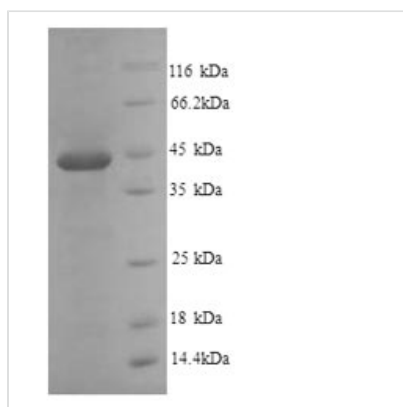




# Recombinant Mouse Plasminogen activator inhibitor 1 (Serpine1)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-YP021081MO                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Relevance</b>         | Serine protease inhibitor. This inhibitor acts as 'bait' for tissue plasminogen activator, urokinase, protein C and matriptase-3/TMPRSS7. Its rapid interaction with PLAT may function as a major control point in the regulation of fibrinolysis .                                                                                                                                                                        |
| <b>Abbreviation</b>      | Recombinant Mouse Serpine1 protein                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                            |
| <b>Uniprot No.</b>       | P22777                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Alias</b>             | Endothelial plasminogen activator inhibitorSerpine E1                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen Species</b> | Mus musculus (Mouse)                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>            | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Sequence</b>          | TLPLRESHTAHQATDFGVKVFQQVVQASKDRNVVFSPYGVSSVLAMLQMTTA<br>GKTRRQIQDAMGFKVNEKGTAAHLRQLSKELMGPWNKNEISTADAIFVQRDLE<br>LVQGFMPHFFKLFQTMVKQVDFSEVERARFIINDWVERHTKGMINDLLAKGAV<br>DELTRLVLVNALYFSGQWKTPFLEASTHQRLFHKSDGSTVSVPMMAQSNKFN<br>YTEFTTPDGLFYDVVELPYQRDTLSMFIAAPFEKDVHLSALTNILDAELIRQWK<br>GNMTRLRPLLILPKFSLETEVDLRGPLEKLGMPDPMFSATLADFTSLSDQEQLSV<br>AQALQKVRIEVNESGTVASSSTAFVISARMAPTEMVIDRSFLFVVRHNPTETILF<br>MGQVMPEP |
| <b>Research Area</b>     | Others                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Target Names</b>      | Serpine1                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Names</b>     | Recommended name: Plasminogen activator inhibitor 1 Short name= PAI Short name= PAI-1 Alternative name(s): Endothelial plasminogen activator inhibitor Serpin E1                                                                                                                                                                                                                                                           |
| <b>Expression Region</b> | 23-402aa                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                        |
| <b>Tag Info</b>          | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Mol. Weight</b>       | 44.9kDa                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Length</b>    | Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Image</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                            |



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

Unveiling our latest offering, the Recombinant Mouse Serpine1, an intricate representation of the natural Plasminogen activator inhibitor 1. Also recognized as PAI, PAI-1, Endothelial plasminogen activator inhibitor, or Serpin E1, this protein is pivotal in the study of a wide range of biological processes. We have worked meticulously to ensure the utmost fidelity in replicating its attributes in our recombinant version.

This recombinant protein is based on the full length of the mature Serpine1, incorporating the 23rd to the 402nd amino acids, capturing its inherent characteristics intact. Expressed in a Yeast system, it comes with a N-terminal 6xHis-tag for ease of detection and purification. The purity of the protein is confirmed to be greater than 90% as per SDS-PAGE analysis, making it a reliable choice for rigorous research. Available in either a liquid or lyophilized powder format, the Recombinant Mouse Serpine1 is designed for convenience and versatility.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.