

## Recombinant Mouse Serpine1 Protein (Leu24-Ser402), C-His tagged

**Cat. No.** Serpine1-6802M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Product Overview</b> | Recombinant mouse Serpine1 (Leu24-Ser402) fused with the C-terminal His tag was expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Leu24-Ser402                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Enables serine-type endopeptidase inhibitor activity. Involved in defense response to Gram-negative bacterium; negative regulation of plasminogen activation; and regulation of angiogenesis. Acts upstream of or within several processes, including cellular response to transforming growth factor beta stimulus; placenta development; and regulation of angiogenesis. Located in extracellular space. Is expressed in several structures, including aorta; extraembryonic component; liver; oocyte; and placenta. Used to study Coronavirus infectious disease. Human ortholog (s) of this gene implicated in several diseases, including artery disease (multiple); autoimmune disease (multiple); diabetic retinopathy (multiple); liver disease (multiple); and lung disease (multiple). Orthologous to human SERPINE1 (serpin family E member 1). |
| <b>Form</b>             | Lyophilized powder/frozen liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 41.69 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Notes</b>            | For research use only.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.                                                                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>   | Supplied as solution form in PBS or lyophilized from PBS.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b>   | Reconstitute in sterile water for a stock solution.                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Shipping</b>         | They are shipped out with dry ice/blue ice unless customers require otherwise.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>        | Serpine1 serine (or cysteine) peptidase inhibitor, clade E, member 1 [ Mus musculus (house mouse) ]                                                                                                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>  | Serpine1                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>         | plasminogen activator inhibitor 1; PAI; Plasminogen activator inhibitor-1 precursor (PAI-1) (Endothelial plasminogen activator inhibitor) (PAI); endothelial plasminogen activator inhibitor; nexin, plasminogen activator inhibitor type 1; plasminogen activator inhibitor, type I; serine (or cysteine) proteinase inhibitor, clade E, member 1; serpin E1; Serpine1; serine (or cysteine) peptidase inhibitor, clade E, member 1; PAI1; PAI-1; Planh1 |
| <b>Gene ID</b>          | 18787                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>      | NM_008871                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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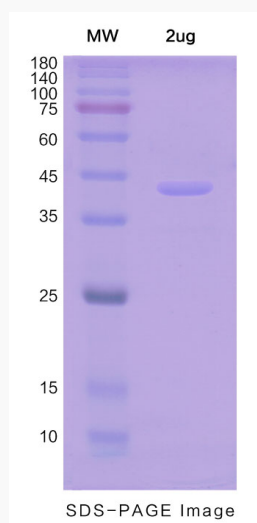
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**Protein Refseq** NP\_032897

**UniProt ID** P22777

**SDS-PAGE**



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