

## Recombinant Mouse Serpinf2, His-tagged

Cat. No. Serpinf2-27M    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Mouse Serpinf2 with a His-tag is expressed in <i>Insect cell culture</i> . MW= 65,000 Da.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Species          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Source           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Description      | Serpins are the largest and most diverse family of serine protease inhibitors which are involved in a number of fundamental biological processes such as blood coagulation, complement activation, fibrinolysis, angiogenesis, inflammation and tumor suppression and are expressed in a cell-specific manner. Over 1000 serpins have been identified including 36 human proteins. As a member of the Serpin superfamily and the primary physiological inhibitor of the serine protease plasmin, Serpin F2 is responsible for the dissolution of fibrin clots. Serpin F2 is mainly expressed by liver and kidney, while other tissues such as muscle, intestine, central nervous system, and placenta also express this protein at a moderate level. |
| Form             | Frozen liquid.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Buffer           | 0.1M Tris-HCl; 0.15M NaCl; pH 7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Concentration    | 5 mg/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Aliquot          | 1 x 0.1 mg.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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**Shipping Conditions** Dry ice.

**Storage** Store at -70°C.

## GENE INFORMATION

**Gene Name** Serpinf2 serine (or cysteine) peptidase inhibitor, clade F, member 2 [ *Mus musculus* ]

**Synonyms** Serpinf2; serine (or cysteine) peptidase inhibitor, clade F, member 2; PlI; AI747498; Serpimf2; alpha 2 antiplasmin

**Gene ID** 18816

**mRNA Refseq** NM\_008878

**Protein Refseq** NP\_032904

**UniProt ID** Q61247

**Chromosome Location** 11 B5

**Pathway** Complement and coagulation cascades

**Function** peptidase inhibitor activity; serine-type endopeptidase inhibitor activity

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