

Recombinant Mouse Serine (or cysteine) Peptidase Inhibitor, Clade E, Member 2

Cat. No. Serpine2-1308M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Serpine2 was expressed in insect cells, which having a molecule weight of 47 kDa.
Species	Mouse
Source	Insect Cells
Description	Serpine2 inhibits serine proteases such as thrombin, tPA and uPA, and is evolutionarily related to antithrombin and heparin cofactor II. Serpins are the largest and most diverse family of Protease Inhibitors. While most Serpins control proteolytic cascades, certain Serpins do not inhibit enzymes, but instead perform diverse functions such as storage (ovalbumin, in egg white), hormone carriage proteins (thyroxine-binding globulin, cortisol-binding globulin) and tumor suppressor genes (maspin). The term Serpin is used to describe these latter members as well, despite their noninhibitory function.
Form	Frozen liquid in 0.01 M Sodium Phosphate, pH 7.0 + 0.3 M NaCl.
Molecular Weight	47 kDa
Concentration	2.0 mg/mL
Storage	Store at -70°C. 3 years. Avoid repeated freeze-thaw cycles.

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OfficialSymbol Serpine2

GENE INFORMATION

Gene Name [Serpine2 serine \(or cysteine\)peptidase inhibitor, clade E, member 2 \[Mus musculus \]](#)

Synonyms Serpine2; serine (orcysteine) peptidase inhibitor, clade E, member 2; PI7; PI-7; PN-1; Spi4;PAI-1; B230326M24Rik; glia-derived nexin; GDN; serpin E2; protease nexin 1;protease nexin I; OTTMUSP00000024336; peptidase inhibitor 7; serine proteaseinhibitor 4; serine protease-inhibitor 4; serine (or cysteine) proteinaseinhibitor, clade E, member 2; serine (or cysteine) proteinase inhibitor,clade E (nexin, plasminogen activator inhibitor type 1), member 2

Gene ID [20720](#)

mRNA Refseq [NM_009255](#)

Protein Refseq [NP_033281](#)

UniProt ID Q07235

Chromosome Location 1 C4; 1 48.6 cM

Function glycosaminoglycanbinding; heparin binding; peptidase inhibitor activity; receptor binding;serine-type endopeptidase inhibitor activity

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