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 Serpine2was expressed in insect cells, which having a molecule weight of 47 kDa.
Species	Mouse
Source	Insect Cells
Description	Serpine2 inhibitsserine proteases such as thrombin, tPA and uPA, and is evolutionarily relatedto antithrombin and heparin cofactor II. Serpins are the largest and mostdiverse family of Protease Inhibitors. While most Serpins control proteolyticcascades, certain Serpins do not inhibit enzymes, but instead perform diversefunctions such as storage (ovalbumin, in egg white), hormone carriageproteins (thyroxine-binding globulin, cortisol-binding globulin) and tumorsuppressor genes (maspin). The term Serpin is used to describe these lattermembers as well, despite their noninhibitory function.
Form	Frozen liquid in0.01 M Sodium Phosphate, pH 7.0 + 0.3 M NaCl.
Molecular Weight	47 kDa
Concentration	2.0 mg/mL
Storage	Store at -70°C. 3years. 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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