

## Recombinant Mouse Serpini1 protein, Tag Free

Cat. No. Serpini1-5518M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Serpini1 is produced as a fusion protein with a proprietary purification tag. The tag is removed by TEV cleavage after purification.
<b>Species</b>	Mouse
<b>Source</b>	Insect Cells
<b>Description</b>	Serpini1 is associated with Familial encephalopathy with neuroserpin inclusion bodies. Serine protease inhibitors of the serpin superfamily are involved in many cellular processes. Serpini1 was first identified as a protein secreted from the axons of dorsal root ganglion neurons. It is expressed in the late stages of neurogenesis during the process of synapse formation.
<b>Form</b>	Frozen liquid in 0.05M Sodium Phosphate Buffer + 0.3M NaCl, pH 7.4.
<b>Molecular Weight</b>	49 kDa
<b>Concentration</b>	1.0 mg/ml
<b>Purity</b>	>95% by SDS-PAGE analysis
<b>Endotoxin Level</b>	< 0.1 ng/g of protein
<b>Storage</b>	Store at -80°C. Stable for 3 years from delivery. Avoid repeated freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**OfficialSymbol**      Serpini1

## GENE INFORMATION

**Gene Name**      [Serpini1 serine \(or cysteine\)peptidase inhibitor, clade I, member 1 \[ Mus musculus \]](#)

**Synonyms**      Serpini1; serine (orcysteine) peptidase inhibitor, clade I, member 1; Ns; PI12; PI-12; Spi17;AI837402; neuroserpin; serpin I1; OTTMUSP00000024524; protease inhibitor 17;peptidase inhibitor 12; serine protease inhibitor 17

**Gene ID**      [20713](#)

**mRNA Refseq**      [NM\\_009250](#)

**Protein Refseq**      [NP\\_033276](#)

**UniProt ID**      O35684

**Chromosome Location**      3 E3; 3

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

**PDB rendering basedon 1jjo.**

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