

Recombinant Mouse Serpina1a protein, His-tagged

Cat. No. Serpina1a-1816M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Serpina1a aa. (Glu25~Lys413) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Glu25~Lys413
Form	Freeze-dried powder
Molecular Mass	45.03 kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>97%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH 7.4.
Reconstitution	Reconstitute in PBS.
GENE INFORMATION	
Gene Name	Serpina1a serine (or cysteine) peptidase inhibitor, clade A, member 1A [Mus musculus (house mouse)]
Official Symbol	Serpina1a
Synonyms	Serpina1a; serine (or cysteine) peptidase inhibitor, clade A, member 1A; PI1; Aat2; Dom1; Aat-2; Spi1-1; Spi1-3; alpha-1-antitrypsin 1-1; AAT; alpha-1 protease inhibitor 1; alpha-1-antiproteinase; alpha-1-antitrypsin 2; serine (or cysteine) proteinase inhibitor, clade A, member 1a; serine protease inhibitor 1-1; serine protease inhibitor A1a; serpin A1a
Gene ID	20700
mRNA Refseq	NM_009243.4
Protein Refseq	NP_033269.1
UniProt ID	P07758