Recombinant Mouse Serpina1b Protein, Fc-tagged

Cat. No. Serpina1b-885M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Serpina1b (Met1-Lys413) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-413 a.a.
Predicted N Terminal	Glu 25
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant mouse Serpina1b consists 627 amino acids and predicts a molecular mass of 70.2 kDa.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Serpina1b serine (or cysteine) preptidase inhibitor, clade A, member 1B [Mus musculus]
Official Symbol	Serpina1b
Synonyms	PI2; Dom2; Spi1-2; D12Ucla2; AAT; alpha-1 protease inhibitor 2; alpha-1-antiproteinase; serine (or cysteine) proteinase inhibitor, clade A, member 1b; serine protease inhibitor 1-2; serine protease inhibitor A1b; serpin A1b
Gene ID	20701
mRNA Refseq	NM_009244
Protein Refseq	NP_033270
MIM	
UniProt ID	P22599
Chromosome Location	12 E; 12 52.98 cM
Pathway	Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem
Function	endopeptidase inhibitor activity; glycoprotein binding; protease binding

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