

Recombinant Mouse Serpinf2 protein(Met1-Lys491), His-tagged

Cat. No. Serpinf2-853M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Serpinf2 (NP_032904.1) (Met 1-Lys 491) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-491 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH ₂ . The IC ₅₀ value is < 0.5 nM as measured in 100µL reaction mixture containing 1.25 ng trypsin, 10 µM substrate, 50 mM Tris, 10 mM CaCl ₂ , 0.15 M NaCl, pH 7.5.
Molecular Mass	The secreted recombinant mouse Serpin F2 consists of 475 amino acids and has a calculated molecular mass of 53.6 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 60-65 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Serpinf2 serine (or cysteine) peptidase inhibitor, clade F, member 2 [Mus musculus]
Official Symbol	Serpinf2
Synonyms	SERPINF2; serine (or cysteine) peptidase inhibitor, clade F, member 2; alpha-2-antiplasmin; serpin F2; alpha-2-AP; alpha-2-PI; alpha 2 antiplasmin; alpha-2-plasmin inhibitor; plasmin inhibitor alpha 2; pigment epithelium derived factor; serine (or cysteine) proteinase inhibitor, clade F, member 2; PlI; AI747498; Serpimf2;
Gene ID	18816
mRNA Refseq	NM_008878
Protein Refseq	NP_032904

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