

## Recombinant Mouse Serpinf2 protein, His-tagged

Cat. No. Serpinf2-76M Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant mouse SERPINF2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Species** Mouse

**Source** E.coli

**Description** SERPINF2, also known as alpha-2-antiplasmin, is serine protease inhibitor. The major targets of this inhibitor are plasmin and trypsin, but it also inactivates matriptase-3/TMPRSS7 and chymotrypsin.

**Form** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Mass** 52.9kDa (470aa)70-100KDa (SDS-PAGE under reducing conditions.)

**AA Sequence**

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VDLPGQQPVS EQAQQKLPLP ALFKLDNQDF GDHATLKRSP GHCKSVPTAE
ETRRLAQAMM AFTTDLFSLV AQTSTSSNLV LSPLSVALALSHLALGAQNQ
TLHSLHRVLH MNTGSCPLHL LSHFYQNLGP GTIRLAARIY LQKGFPIKDD
FLEQSERLFG AKPVKLTGKQ EEDLANINQWVKEATEGKIE DFLSELPDST
VLLLLNAIHF HGFWRTKFDP SLTQKDFHHL DERFTVSVDM MHAVSYPLRW
FLLEQPEIQV AHFPFKNNMSFVVVMPTYFE WNVSEVLANL TWDTLYHPSL
QERPTKVWLP KLHLQQQLDL VATLSQLGLQ ELFQGPDLRG ISEQNLVSS
VQHQSTMELSEAGVEAAAAT SVAMNRMSLS SFTVNRPFLF FIMEDTIGVP
LFVGSVRNPN PSALPQLQEQ RDSPDNRLIG QNDKADFHGG
KTFGPDLKLAPRMEEDYPQF SSPKHHHHHH
    
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<b>Endotoxin</b>	< 1.0 EU per 1 microgram of protein (determined by LAL method)
<b>Purity</b>	>90% by SDS – PAGE
<b>Storage</b>	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	1mg/ml (determined by Absorbance at 280nm)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Serpinf2 serine (or cysteine) peptidase inhibitor, clade F, member 2 [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Serpinf2
<b>Synonyms</b>	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; A1747498; Serpimf2;
<b>Gene ID</b>	18816
<b>mRNA Refseq</b>	NM_008878
<b>Protein Refseq</b>	NP_032904
<b>MIM</b>	
<b>UniProt ID</b>	
<b>Pathway</b>	Blood Clotting Cascade, organism-specific biosystem; Complement and Coagulation

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Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Dissolution of Fibrin Clot, organism-specific biosystem; Hemostasis, organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem;

**Function**

eukaryotic cell surface binding; peptidase inhibitor activity; protease binding; protein homodimerization activity; serine-type endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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