

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	VDLPGQQPVS EQAQQKLPLP ALFKLDNQDF GDHATLKRSP GHCKSVPTAE ETRLAQAMM AFTTDLFSLV AQTSTSSNLV LSPLSVALALSHLALGAQNQ TLHSLHRVLH MNTGSCPLPH LSHFYQNLGP GTIRLAARIY LQKGFPIKDD FLEQSERLFG AKPVKLTGKQ EEDLANINQWVKEATEGKIE DFLSELPDST VLLLLNAIHF HGFWR TKFDP SLTQKDF FHL DERFTVSVD M MHA VSYPLRW FLLEQPEIQV AHFPFKNNMSFVVVMPT YFE WNVSEVL ANL TWDTLYHPSL QERPTKVWLP KLHLQQQLDL VATLSQLGLQ ELFQGPDLRG ISEQNLVSS VQHQSTMELSEAGVEAAAAT SVAMN RMSLS SFTVNR PFLF FIMEDTIGVP LFVGSVRNPN PSALPQLQEQ RDSPDNRLIG QNDKADF HGG KTFGPDLKLAPRMEEDYPQF SSPKHHHHHH

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Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>90% by SDS – PAGE
Storage	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.
Concentration	1mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	Serpinf2 serine (or cysteine) peptidase inhibitor, clade F, member 2 [<i>Mus musculus</i>]
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; A1747498; Serpimf2;
Gene ID	18816
mRNA Refseq	NM_008878
Protein Refseq	NP_032904
MIM	
UniProt ID	
Pathway	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;