

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.
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.
Source	E. coli
Species	Mouse
Tag	His
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 ETRRLAQAMM AFTTDLFSLV AQTSTSSNLV LSPLSVALALSHLALGAQNQ TLHSLHRVLH MNTGSCLPHL LSHFYQNLGP GTIRLAARIY LQKGFPIKDD FLEQSERLFG AKPVKLTGKQ EEDLANINQWVKEATEGKIE DFLSELPDST VLLLLNAIHF HGFWR TKFDP SLTQKDF FHL DERFTVSVDM MHA VSYPLRW FLLEQPEIQV AHFPFKNNMSFVVVMPTYPE WNVSEVLANL TWD TLYHPSL QERPTKVWLP KLHLQQQLDL VATLSQLGLQ ELFQGPDLRG ISEQNLVSS VQHQSTMELSEAGVEAAAAT SVAMNRMSLS SFTVNRPF LF FIMEDTIGVP

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	LFVGSVRNPN PSALPQLQEQ RDSPDNRLIG QNDKADFHGG KTFGPDLKLAPRMEEDYPQF SSPKHHHHHH
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 [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; 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 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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