



# Recombinant Bovine Alpha-2-antiplasmin (SERPINF2)

<b>Product Code</b>	CSB-EP021085BO-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P28800
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Bos taurus (Bovine)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AQQLPPLSLLKLDNQEPGGQIAPKKAPEDCKLSPTPEQTRRLARAMMTFTTD LFSLVAQSSTRPNLILSPLSVALALSHLALGAQNQTLQRLKEVLHADSGPCLPH LLSRLCQDLGPGAFRLAARMYLQKGFPIKEDFLEQSEQLFGAKPMSLTGMKG EDLANINRWVKEATEGKIEDFLSDLPDDTVLLLLNAIHFQGFWRSKFDPNLTQR GAFHLDEQFTVPVDMMQALTYPLHWFLEQPEIQVAHFPPKNNMSFVVMPT RFEWNASQVLANLTWDILHQPSLSERP TKVQLPKLHLKYQLDLVATLSQLGLQ ELFQAPDLRGISDERLVVSSVQHQAELSEAGVQAAAATSTAMSRMSLSSFI VNRPFLLFILEDSTSLPLFVGSVRNPNPGAQPERKEQQDSPDGKDSFQDHKG LPRGDKPFDPLKLGPPSEEDYAQPSSPK
<b>Source</b>	E.coli
<b>Target Names</b>	SERPINF2
<b>Protein Names</b>	Recommended name: Alpha-2-antiplasmin Short name= Alpha-2-APA Alternative name(s): Alpha-2-plasmin inhibitor Short name= Alpha-2-PI Serpin F2
<b>Expression Region</b>	41-492
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a member of the serpin family of serine protease inhibitors. The protein is a major inhibitor of plasmin, which degrades fibrin and various other proteins. Consequently, the proper function of this gene has a major role in regulating the blood clotting pathway. Mutations in this gene result in alpha-2-plasmin inhibitor deficiency, which is characterized by severe hemorrhagic diathesis. Multiple transcript variants encoding different isoforms have been found for this gene.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . The shelf life of lyophilized form is 12 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ .