



Recombinant Bovine Plasminogen activator inhibitor 1 (SERPINE1)

Product Code	CSB-MP021081BO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P13909
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	≥85% (SDS-PAGE)
Sequence	SYQPQSA AASLATDFGV KVFQQVVRAS KDRNVVFSY GVASVLAMLQ LTTGGETRQQ IQEAMQFKIE EKGMAPAFHR LYKELMGPWN KDEISTADAI FVQRDLELVH GFMPNFFRLF RTTVKQVDFS EVERARFIVN DWVKRHTKGM ISDLLGEGAV DQLTRLVLVN ALYFNGQWKM PFPESENTHHR LFHKSDGSTI SVPMAAQTNK FNYTEFTTPD GRYYDILELP YHGNTLSMLI AAPYEKEVPL SALTSILDAE LISQWKG NMT RLTRLLVLPK FSLETEIDLR RPLENLGMTD MFRPSQADFS SFSDQEFYV SQALQVKIE VNESGLASS STALVVSARM APEEIIIMDRP FLFVVRHNPT GTVLFMGQVM EP
Source	Mammalian cell
Target Names	SERPINE1
Protein Names	Recommended name: Plasminogen activator inhibitor 1 Short name= PAI Short name= PAI-1 Alternative name(s): Endothelial plasminogen activator inhibitor Serpin E1
Expression Region	24-402
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a member of the serine proteinase inhibitor (serpin) superfamily. This member is the principal inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA), and hence is an inhibitor of fibrinolysis. Defects in this gene are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1 deficiency), and high concentrations of the gene product are associated with thrombophilia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Reconstitution	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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.