



# Recombinant Pig Plasminogen activator inhibitor 1 (SERPINE1)

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| <b>Product Code</b>      | CSB-EP021081PI  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P79335  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Sus scrofa (Pig)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | SSHHQSL AARLATDFGV KVFRQVVQAS KDRNVVFSKY GVASVLAMLQ<br>LTTAGDTQQQ IQEAMQFKIE EKGMAPALRQ LYKELMGPWN KDEISTADAI<br>FVQRDLKLVQ GFMPYFFRLF RTTVKQVDFS EMDRARFIIN DWVKRHTKGM<br>INDLLGQGAV DQLTRLVLVN ALYFNGQWKT PFPEKSTHHR LFHKSDGSTV<br>SVPMAAQTNK FNYTEFSTPD GHYYDILELP YHGNTLSMFI AAPYEKEVPL<br>SALTSILDAQ LISQWKGNMT RLTRLLVLPK FSLESEVDLR RPLENLGMTD<br>MFRPNQADFS SLSDQELLYM SQALQVKVIE VNESGTVASS STAIIVSARM<br>APEEIIDRPF FLVVRHNPT GTVLFMGQVM EP   |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | SERPINE1  |
| <b>Protein Names</b>     | Recommended name: Plasminogen activator inhibitor 1 Short name= PAI Short name= PAI-1 Alternative name(s): Endothelial plasminogen activator inhibitor Serpin E1  |
| <b>Expression Region</b> | 24-402  |
| <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 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. |
| <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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.