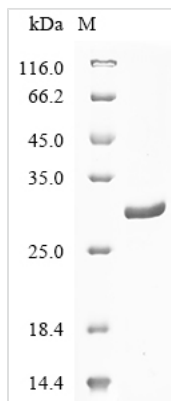




Recombinant Cat Plasminogen activator inhibitor 1 (PAI-1)

Product Code	CSB-EP3990CA
Abbreviation	Recombinant Cat PAI-1 protein
Storage	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.
Uniprot No.	A9NJ78
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Felis catus (Cat) (Felis silvestris catus)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	VPRDLKLVKGFMPPHFFRLFRTTVKQVDFSEVDRARFIVNDWVKTHTKGMIGDL LGEGAVNQLTRLMLVNALYFNGQWKTPFPESGTHHRLFHKSDGSTVSVPM AQTNKFNYTEFSTPDGHYYDILELPYHGDTLISMFAAPYEKEVPLSALTNILDAQ LISQWKGNMTRQLRLLVLPKFSLESEVNLRRPLENLGMTDMFKPNQADFSSLS DEEALYVSQALQVKKIEVNESGTVASSSTAIIVSARMAPEEIIIMDRTQ
Research Area	Cancer
Source	E.coli
Target Names	PAI-1
Expression Region	1-260aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	29.7 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The generation of the recombinant *Felis catus* PAI-1 protein involves transfecting *e.coli* cells with a DNA expression vector carrying the gene for the protein of interest (1-260aa). After transfection, the cells are cultured to express the desired protein. The recombinant *Felis catus* PAI-1 protein is collected and purified from the cell lysate through affinity purification, attaining a purity greater than 90%, as determined by SDS-PAGE.

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.