Recombinant Pig Metalloproteinase inhibitor 1 (TIMP1)

Product Code	CSB-EP023560PI-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P35624
Product Type	Recombinant Protein
Immunogen Species	Sus scrofa (Pig)
Purity	>85% (SDS-PAGE)
Sequence	CTCVPPH PQTAFCSSDL VIRAKFVGAP EFNQTASYKR YEIKMTKMFK GFNALGDAPD IRFIYTPAME SVCGYFHRSQ NRSQEFLIAG QLWNGHLHIT TCSFVAPWNS LSSAQRQGFT EIYAAGCEEC TVFPCTSIPC KLQSDTHCLW TDQLLTGSDK GFQSRHLACM PREPGMCTWQ SLRPRVA
Source	E.coli
Target Names	TIMP1
Protein Names	Recommended name: Metalloproteinase inhibitor 1 Alternative name(s): Tissue inhibitor of metalloproteinases 1 Short name= TIMP-1
Expression Region	24-207
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 belongs to the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. In addition to its inhibitory role against most of the known MMPs, the encoded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function. Transcription of this gene is highly inducible in response to many cytokines and hormones. In addition, the expression from some but not all inactive X chromosomes suggests that this gene inactivation is polymorphic in human females. This gene is located within intron 6 of the synapsin I gene and is transcribed in the opposite direction.
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.