Recombinant Mouse Tissue factor pathway inhibitor (Tfpi)

Product Code	CSB-MP023437MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O54819
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	LS EEADDTDSEL GSMKPLHTFC AMKADDGPCK AMIRSYFFNM YTHQCEEFIY GGCEGNENRF DTLEECKKTC IPGYEKTAVK AASGAERPDF CFLEEDPGLC RGYMKRYLYN NQTKQCERFV YGGCLGNRNN FETLDECKKI CENPVHSPSP VNEVQMSDYV TDGNTVTDRS TVNNIVVPQS PKVPRRRDYR GRPWCLQPAD SGLCKASERR FYYNSATGKC HRFNYTGCGG NNNNFTTRRR CLRSCKTGLI KNKSKGVVKI QRRKAPFVKV VYESIN
Source	Mammalian cell
Target Names	Tfpi
Protein Names	Recommended name: Tissue factor pathway inhibitor Short name= TFPI Alternative name(s): Extrinsic pathway inhibitor Short name= EPI Lipoprotein-associated coagulation inhibitor Short name= LACI
Expression Region	29-306
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 protease inhibitor that regulates the tissue factor (TF)-dependent pathway of blood coagulation. The coagulation process initiates with the formation of a factor VIIa-TF complex, which proteolytically activates additional proteases (factors IX and X) and ultimately leads to the formation of a fibrin clot. The product of this gene inhibits the activated factor X and VIIa-TF proteases in an autoregulatory loop. The encoded protein is glycosylated and predominantly found in the vascular endothelium and plasma in both free forms and complexed with plasma lipoproteins. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been confirmed.
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.