



# Recombinant Mouse Tissue factor pathway inhibitor (Tfpi)

<b>Product Code</b>	CSB-EP023437MO-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O54819
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	LS EEADDTDSEL GSMKPLHTFC AMKADDGPCK AMIRSYFFNM YTHQCEEFYI GGCEGNENRF DTLEECKKTC IPGYEKTAVK AASGAERPFD CFLEEDPGLC RGYMKRYLYN NQTKQCERFV YGGCLGNRNN FETLDECKKI CENPVHSPSP VNEVQMSDYV TDGNTVTDRS TVNNIVVPQS PKVPRRRDYR GRPWCLQPAD SGLCKASERR FYYNSATGKC HRFNYTGCGG NNNNFTTRRR CLRCKTGLI KNKSKGVVVI QRRKAPFVKV VYESIN
<b>Source</b>	E.coli
<b>Target Names</b>	Tfpi
<b>Protein Names</b>	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
<b>Expression Region</b>	29-306
<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 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.
<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.