

TFPI Protein, Rabbit (HEK293, His)

Cat. No.:	HY-P700431
Synonyms:	TFPI; tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor); LACI; tissue factor pathway inhibitor; EPI; extrinsic pathway inhibitor; TFI; TFPI1; anti-convertin;
Species:	Rabbit
Source:	HEK293
Accession:	P19761 (A25-T300)
Gene ID:	100009401
Molecular Weight:	35.4 kDa

PROPERTIES

AA Sequence	<pre> A A E E D E E F T N I T D I K P P L Q K P T H S F C A M K V D D G P C R A Y I K R F F F N I L T H Q C E E F I Y G G C E G N E N R F E S L E E C K E K C A R D Y P K M T T K L T F Q K G K P D F C F L E E D P G I C R G Y I T R Y F Y N N Q S K Q C E R F K Y G G C L G N L N N F E S L E E C K N T C E N P T S D F Q V D D H R T Q L N T V N N T L I N Q P T K A P R R W A F H G P S W C L P P A D R G L C Q A N E I R F F Y N A I I G K C R P F K Y S G C G G N E N N F T S K K A C I T A C K K G F I P K S I K G G L I K T K R K K K K Q P V K I T Y V E T F V K K T </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	TFPI (Tissue Factor Pathway Inhibitor) exerts direct inhibition on factor X (Xa) and, in an Xa-dependent manner, hinders the activity of VIIa/tissue factor, potentially through the formation of a quaternary complex involving Xa, TFPI, VIIa, and tissue factor. This multifunctional protein showcases antithrombotic properties and demonstrates an affinity for association with lipoproteins in plasma, highlighting its pivotal role in regulating the intricate dynamics of the coagulation pathway.
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Caution: Product has not been fully validated for medical applications. For research use only.

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