

## TFPI Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P78212
Synonyms:	LACI; TFPI1; EPI; TFI; convertin; TFPI
Species:	Human
Source:	HEK293
Accession:	P10646 (D29-K282)
Gene ID:	7035
Molecular Weight:	40-50 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> 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) directly inhibits factor X (Xa) and, in an Xa-dependent manner, inhibits the activity of VIIa/tissue factor, possibly by forming a quaternary complex involving Xa, TFPI, VIIa, and tissue factor. This protein exhibits antithrombotic properties and has the capacity to associate with lipoproteins in plasma, showcasing its multifaceted role in regulating 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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