9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-5063: Recombinant Human Tissue Factor Pathway Inhibitor

Alternative Name : Tissue Factor Pathway Inhibitor (Lipoprotein-Associated Coagulation Inhibitor),Extrinsic Pathway Inhibitor,Tissue Factor Pathway Inhibitor,anti-convertin,TFPI1,EPI,LACI,TFI.

Description

Source : Escherichia Coli. TFPI Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 299 amino acids (29-304) and having a molecular mass of 34.3kDa.TFPI is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. TFPI is a protease inhibitor which controls the tissue factor (TF)-dependent pathway of blood coagulation. The coagulation process starts with the creation of a factor VIIa-TF complex, that proteolytically triggers additional proteases (factors IX and X) and eventually results in a fibrin clot. TFPI inhibits the activated factor X and VIIa-TF proteases in an autoregulatory loop. TFPI is glycosylated and predominantly located in the vascular endothelium and plasma in both free forms and complexed with plasma lipoproteins. A number of alternatively spliced transcript variants of this gene have are known, however the full-length nature of several of these variants were not yet established.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The TFPI solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSDSEEDEE HTIITDTELP PLKLMHSFCA FKADDGPCKA IMKRFFFNIF TRQCEEFIYG GCEGNQNRFE SLEECKKMCT RDNANRIIKT TLQQEKPDFC FLEEDPGICR GYITRYFYNN QTKQCERFKY GGCLGNMNNF ETLEECKNIC EDGPNGFQVD NYGTQLNAVN NSLTPQSTKV PSLFEFHGPS WCLTPADRGL CRANENRFYY NSVIGKCRPF KYSGCGGNEN NFTSKQECLR ACKKGFIQRI SKGGLIKTKR KRKKQRVKIA YEEIFVKNM.