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TFPI, 29-304aa, Human, His tag, E.coli

产品货号: TP04185

第三版

别名:tissue factor pathway inhibitor, EPI, LACI, TFI, TFPI1

描述:TFPI is 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 protein inhibits the activated factor X and VIIa-TF proteases in an autoregulatory loop. TFPI 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. Recombinant human TFPI protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

分子量:34.3kDa (299aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSDSEEDDEEHTIITDTELPPLKLMHSFCAFKADDGPCKAIMKRFFFNIFTRQCEEFIYGG
CEGNQNRFSLEECKKMCTRDNANRIIKTTLQKEKPDFCFLEEDPGICRGYITRYFYNNQTKQCERFKYGGCLGNMNNFE
TLEECKNICEDGPNQFQVDNYGTQLNAVNNSLTPQSTKVPSTLFEFHGPSWCLTPADRGLCRANENRFYNSVIGKCRPFK
YSGCGGNENNFTSKQECLRACKKGFQIRISKGGLIKTKRKRKKQRVKIAEYEEIFVKNM

纯度:> 95% by HPLC

浓度:1 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储:+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.