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Product Information

MemDX™ Antibody Discovery - Human TFPI (29-282) Membrane Protein, Partial, -His tag

Cat. No.: **MP0434F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human TFPI (29-282). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
TFPI

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 30.0 kDa. The protein migrates as 41-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Asp 29 - Lys 282 (Accession # NP_006278.1).

Product Description

Application
SDS-PAGE

Expression Systems
HEK293

Tag
His tag at the C-terminus

Protein Format
Soluble

Form
LYOPH

Reconstitution
Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Purity

>90% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.
The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage at -80°C.

Target

Target Protein

TFPI

Full Name

tissue factor pathway inhibitor

Introduction

This gene encodes a Kunitz-type serine 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. Inhibition of the encoded protein restores hemostasis in animal models of hemophilia. This gene encodes multiple protein isoforms that differ in their inhibitory activity, specificity and cellular localization.

Alternative Names

EPI; TFI; LACI; TFPI1; tissue factor pathway inhibitor; anti-convertin; extrinsic pathway inhibitor; tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)

Gene ID

7035

UniProt ID

P10646