Recombinant Human TFPI-2 Protein

Catalog No.: RP02148

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Sequence Information

Species
Human

Gene ID
7980

Swiss Prot
P48307

Tags
C-His

Synonyms
TFPI2,PP5,REF1,TFPI-2

Product Information

Source
HEK293 cells

Purification
> 95% as determined by Bis-Tris PAGE

Calculated MW
22.88 kDa

Observed MW
18-33 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
Dissolve the lyophilized protein in distilled water.

Background

Human Tissue Factor Pathway Inhibitor 2 (TFPI2) has a N-terminal acidic region, three Kunita domains separated with by two linker regions, and a C-terminal basic region. TFPI2 has the function of regulating plasmin-mediated matrix remodeling, inhibits trypsin, plasmin, factor Vlla/tissue factor and weakly factor Xa.. TFPI2 has no effect on thrombin. TFPI2 may contribute to tumor progression in many cancers; in these cancers, the expression of TFPI2 can be down-regulated.

Basic Information

Description
Recombinant Human TFPI-2 Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Asp23-Lys213) of human TFPI-2 (Accession #NP_006519.1) fused with a 6xHis tag at the C-terminus.

Activity
Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, the IC50 value is < 5 nM.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

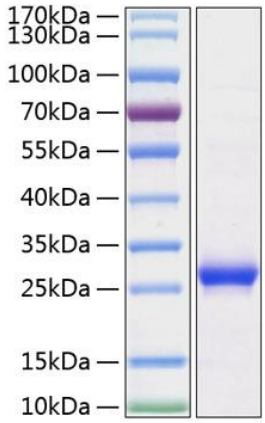
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human TFPI-2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.