

## 32-7355: Recombinant Human Tissue Factor Pathway Inhibitor 2/TFPI-2/PP5/REF-1 (C-6His)

**Gene :** TFPI2  
**Gene ID :** 7980  
**Uniprot ID :** P48307

### Description

Source: Human Cells.

MW :22.88kD.

Recombinant Human Tissue Factor Pathway Inhibitor 2 is produced by our Mammalian expression system and the target gene encoding Asp23-Lys213 is expressed with a 6His tag at the C-terminus. Human Tissue Factor Pathway Inhibitor 2 (TFPI2) has a N-terminal acidic region, three Kunitz 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 VIIa/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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** DAAQEPTGNNAEICLLPLDYGPCRALLRYYDRYTQSCRQFLYGGCEGNANNFYTWACDDACWRIEKVPKV  
CRLQVSVDDQCEGSTKEYFFNLSSMTCEKFFSGGCHRNRIENRFPDEATCMGFCAPKKIPSFCYSPKDEGLCSA  
NVTRYFNPRTCDRAFTYTGCGGNDNNFVSREDCKRACAKALKVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.