

## Product datasheet for RC236391

### TFPI2 (NM\_001271004) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TFPI2 (NM\_001271004) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TFPI2  
**Synonyms:** PP5; REF1; TFPI-2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236391 representing NM\_001271004  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACCCCGCTCGCCCCCTGGGGCTGTCGATTCTGCTGCTTTTCTGACGGAGGCTGCACTGGGCGATG  
 CTGCTCAGGAGCCAACAGGAAATAACCGGAGATCTGTCTCCTGCCCTAGACTACGACCCTGCCGGGC  
 CCTACTTCTCCGTTACTACTACGACAGGTACACGCAGAGCTGCCGCCAGTTCTGTACGGGGCTGCGAG  
 GGCAACGCCAACAATTTCTACACCTGGGAGGCTTGCGACGATGCTTGCTGGAGGATAGAAAAAGTCCCA  
 AAGTTTGC GGCTGCAAGTGAGTGTGGACGACCACTGTGAGGGGTCCACAGAAAAGTATTTCTTTAATCT  
 AAGTTCCATGACATGTGAAAAATTTCTTTCCGGTGGGTGTACCAGGAAACCGGATTGAGAACAGGTTTCCA  
 GATGAAGCTACTTGATGGGCTTCTGCGCACCAAGAAAATACAGAACCTGTGATGCTTTCACCTATAC  
 TGGCTGTGGAGGGAATGACAATAACTTTGTAGCAGGGAGGATTGCAACGTGCATGTGCAAAAGCTT

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236391 representing NM\_001271004  
 Red=Cloning site Green=Tags(s)

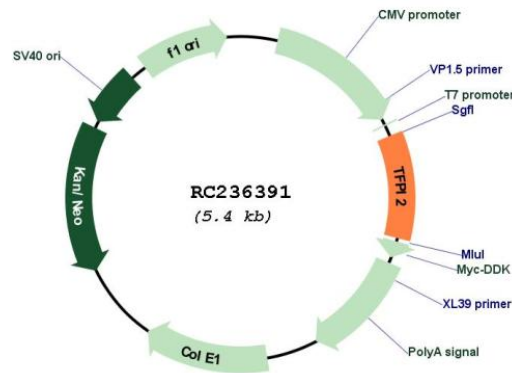
MDPARPLGLSILLFLTEAALGDAAQEPTGNNAEICLLPLDYGPCRALLRYYYDRYTQSCRQFLYGGCE  
 GNANNFYTWEACDDACWRIEKVPKVCRLQVSVDDQCEGSTEKYFFNLSSMTCEKFFSGGCHRNRNIENRFP  
 DEATCMGFCAPKKNTPEVMLSPILAVEGMTITLLAGRIANVHVQKL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001271004

**ORF Size:** 558 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001271004.2</a></u>
<b>RefSeq Size:</b>	2368 bp
<b>RefSeq ORF:</b>	561 bp
<b>Locus ID:</b>	7980
<b>Cytogenetics:</b>	7q21.3
<b>Protein Families:</b>	Secreted Protein
<b>MW:</b>	21.3 kDa
<b>Gene Summary:</b>	This gene encodes a member of the Kunitz-type serine proteinase inhibitor family. The protein can inhibit a variety of serine proteases including factor VIIa/tissue factor, factor Xa, plasmin, trypsin, chymotrypsin and plasma kallikrein. This gene has been identified as a tumor suppressor gene in several types of cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]