

Product datasheet for **RG236391**

TFPI2 (NM_001271004) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TFPI2 (NM_001271004) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TFPI2
Synonyms: PP5; REF1; TFPI-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236391 representing NM_001271004.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACCCGCTCGCCCCTGGGGCTGTCGATTCTGCTGCTTTTCTGACGGAGGCTGCACTGGGCGAT
GCTGCTCAGGAGCCAACAGGAAATAACGCGGAGATCTGTCTCCTGCCCTAGACTACGGACCCTGCCGG
GCCCTACTTCTCCGTTACTACTACGACAGGTACACGCAGAGCTGCCGCCAGTTCTGTACGGGGCTGC
GAGGGCAACGCCAACAAATTTCTACACCTGGGAGGCTTGCACGATGCTTGTGGAGGATAGAAAAAGTT
CCCAAAGTTGCCGGCTGCAAGTGAAGTGTGGACGACAGTGTGAGGGTCCACAGAAAAGTATTTCTTT
AATCTAAGTTCCATGACATGTGAAAAATCTTTTCCGGTGGGTGTACCGGAACCGGATTGAGAACAGG
TTTCCAGATGAAGCTACTTGTATGGGCTTCTGCGCACAAAGAAAAATACAGAACCTGTGATGCTTTCA
CCTATACTGGCTGTGGAGGGAATGACAATAACTTTGTTAGCAGGGAGGATTGCAAACGTGCATGTGCAA
AAGCTT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236391
Blue=ORF Red=Cloning site Green=Tag(s)

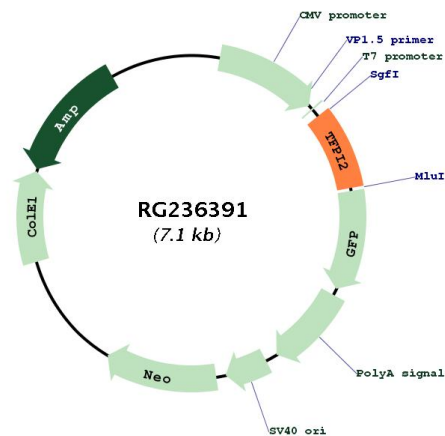
```
MDPARPLGLSILLFLTEAALGDAAQEPTGNNAEICLLPLDYGPCRALLLRYYYDRYTQSCRQFLYGGC
EGNANNFYWEACDDACWRIEKVPKVCRLQVSVDDQCEGSTEKYFFNLSSMTCEKFFSGGCHRNRIENR
FPDEATCMGFCAPKKNTEPVMLSPILAVEGMTITLLAGRIANVHVQKL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNNGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVDSSHMHFKSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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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.

Components: 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).

RefSeq: [NM_001271004.2](#)

RefSeq Size: 2368 bp

RefSeq ORF: 561 bp

Locus ID: 7980

Cytogenetics: 7q21.3

Protein Families: Secreted Protein

MW: 21.3 kDa

Gene Summary: 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]