

Product datasheet for SC116018

TFPI2 (NM_006528) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TFPI2 (NM_006528) Human Untagged Clone
Tag:	Tag Free
Symbol:	TFPI2
Synonyms:	PP5; REF1; TFPI-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116018 sequence for NM_006528 edited (data generated by NextGen Sequencing)

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ATGGACCCGCTCGCCCCCTGGGGCTGTCGATTCTGCTGCTTTTCTGACGGAGGCTGCA
CTGGGCGATGCTGCTCAGGAGCCAACAGGAAATAACGCGGAGATCTGTCTCCTGCCCTA
GACTACGGACCCCTGCCGGGCCCTACTTCTCCGTTACTACTACGACAGGTACACGCAGAGC
TGCCGCCAGTTCCTGTACGGGGCTGCGAGGGCAACGCCAACATTTCTACACCTGGGAG
GCTTGCGACGATGCTTGCTGGAGGATAGAAAAAGTTCCCAAAGTTTGCCGGCTGCAAGTG
AGTGTGGACGACCAGTGTGAGGGGTCCACAGAAAAGTATTTCTTTAATCTAAGTCCATG
ACATGTGAAAAATTCTTTTCCGGTGGGTGTCACCGGAACCGGATTGAGAACAGGTTTCCA
GATGAAGTACTTGTATGGGCTTCTGCGCACAAAGAAAATTCATCATTTTGTACAGT
CCAAAAGATGAGGACTGTGCTCTGCCAATGTGACTCGCTATTATTTAATCCAAGATAC
AGAACCTGTGATGCTTTACCTATACTGGCTGTGGAGGGAATGACAATAACTTTGTAGC
AGGGAGGATTGCAAACGTGCATGTGCAAAAGCTTTGAAAAAGAAAAGAAGATGCCAAAG
CTTCGCTTTGCCAGTAGAATCCGGAAAATTCAGAAGAAGCAATTTTAA

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Clone variation with respect to NM_006528.2
692 g=>a



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006528 unedited AAAGTTCAACATTTGTAACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGCCAGGC GCTTTCTCGGACGCCTTGCCAGCGGGCCGCCGACCCCTGCACCATGGACCCCGCTCG CCCCCTGGGGCTGTCGATTCTGCTGCTTTTCTGACGGAGGCTGCACTGGGCGATGCTGC TCAGGAGCCAACAGGAAATAACGCGGAGATCTGTCTCCTGCCCTAGACTACGGACCCTG CCGGGCCCTACTTCTCCGTTACTACTACGACAGGTACACGCAGAGCTGCCGCCAGTTCCT GTACGGGGGCTGCGAGGGCAACGCCAACAATTTCTACACCTGGGAGGCTTGCACGATGC TTGCTGGAGGATAGAAAAGTTCCCAAAGTTTGCCGGCTGCAAGTGAGTGTGGACGACCA GTGTGAGGGGTCCACAGAAAAGTATTTCTTTAATCTAAGTTCCATGACATGTGAAAAATT CTTTTCCGGTGGGTGTCACCGGAACCGGATTGAGAACAGGTTTCCAGATGAAGCTACTTG TATGGGCTTCTGCGCACCAAGAAAATCCATCATTTTGTACAGTCCAAAAGATGAGGG ACTGTGCTCTGCCAATGTGACTCGCTATTATTTAATCCAAGATACAGAACCTGTGATGC TTTCACCTATACTGGCTGTGGAGGGAATGACAATAACTTTGTTAGCAGGGAGGATTGCAA ACGTGCATGTGAAAAGCTTTGAAAAGAAAAGAAGATGCCAAAGCTTCGCTTTGCCAG TAGAATCCGAAATTCAGAAGAAGCATTTTAAACAATCTAATATGTCATCTGTTTTGTCT TTATGGCTTATTTGCCTTATGNTGTATCTGAAAGAATATATGACAGCNTGAGGGAACA AATCATTGGGTGATTTATTCACCAGTTTTT
Restriction Sites:	NotI-NotI
ACCN:	NM_006528
Insert Size:	1250 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	NM_006528.2 , NP_006519.1
RefSeq Size:	1203 bp
RefSeq ORF:	708 bp
Locus ID:	7980
UniProt ID:	P48307
Cytogenetics:	7q21.3
Domains:	KU
Protein Families:	Secreted Protein

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).