

Product datasheet for SC116194

TFPI (NM_006287) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TFPI (NM_006287) Human Untagged Clone
Tag:	Tag Free
Symbol:	TFPI
Synonyms:	EPI; LACI; TFI; TFPI1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116194 sequence for NM_006287 edited (data generated by NextGen Sequencing)

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ATGATTTACACAATGAAGAAAGTACATGCACCTTTGGGCTTCTGTATGCCTGCTGCTTAAT
CTTGCCCTGCCCTCTTAATGCTGATTCTGAGGAAGATGAAGAACACACAATTATCACA
GATACGGAGTTGCCACCACTGAACTTATGCATTCATTTTGTGCATTCAAGGCGGATGAT
GGCCCATGTAAAGCAATCATGAAAAGATTTTTCTCAATATTTTCACTCGACAGTGCGAA
GAATTTATATATGGGGATGTGAAGGAAATCAGAATCGATTTGAAAGTCTGGAAGAGTGC
AAAAAATGTGTACAAGAGATAATGCAAACAGGATTATAAAGACAACATTGCAACAAGAA
AAGCCAGATTTCTGCTTTTTGGAAGAAGATCCTGGAATATGTCGAGGTTATATTACCAGG
TATTTTTATAACAATCAGACAAAACAGTGTGAACGTTTCAAGTATGGTGGATGCCTGGC
AATATGAACAATTTTGGACACTGGAAGAATGCAAGAACATTTGTGAAGATGGTCCGAAT
GGTTTCCAGTGGATAATTATGGAACCCAGCTCAATGCTGTGAATAACTCCCTGACTCCG
CAATCAACCAAGTTCACAGCCTTTTTGAATTTACGGTCCCTCATGGTGTCTCACTCCA
GCAGACAGAGGATTGTGTCGTGCCAATGAGAACAGATTCTACTACAATTCAGTCATTGGG
AAATGCCGCCATTTAAGTACAGTGGATGTGGGGGAAATGAAAACAATTTTACTTCCAAA
CAAGAATGTCTGAGGGCATGTAAAAAGGTTTCATCCAAAGAATATCAAAAGGAGGCCTA
ATTAACCAAAAAGAAAAGAAAAGCAGAGAGTGAAAATAGCATATGAAGAAATTTTT
GTTAAAAATATGTGA

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Clone variation with respect to NM_006287.4



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006287 unedited GTCAGGATTTGNTATACGACTTTACTATAGGGCGGCCGCGAATTCGCACCAGGGTTAGCA GCACAAGAGATGATTTACACAATGGAAGAAAGTACATGCACTTTGGGCTTCTGTATGCCT GCTGCTTAATCTTGCCCTGCCCTCTTAATGCTGATTCTGAGGAAGATGAAGAACACAC AATTATCACAGATACGGAGTTGCCACCACTGAACTTATGCATTCATTTTGTGCATTCAA GGCGGATGATGGCCATGTAAGCAATCATGAAAAGATTTTCTCAATATTTTCACTCG ACAGTGCGAAGAATTTATATATGGGGGATGTGAAGGAAATCAGAATCGATTTGAAAGTCT GGAAGAGTGCAAAAAATGTGTACAAGAGATAATGCAAAACAGGATTATAAAGACAACATT GCAACAAGAAAAGCCAGATTTCTGCTTTTTGAAAGAAGATCCTGGAATATGTCGAGGTTA TATTACCAGGTATTTTTATAACAATCAGACAAAACAGTGTGAACGTTTCAAGTATGGTGG ATGCTGNGCAATATGAACAATTNTGAGACACTGGAAGAATGCAAGAACATTTGTGAAGA TGGTCCGAATGGTTTCCAGGTGGATAATTATGGAACCCAGCTCAATGCTGTGAATAACTC CCTGACTNCGCANTCAACCCAAGTTCCCAGCCTTTTTGAATTTCCAGGTCCCTCATGGT TCTCACTCCAGCAGACAGAAGATTGTGTCGTGNCAATGAGAACAGATTCTACTANCATTC AGTCATTGGGAAATGCCGNCCATTTAAGTACAGTGGATGTGGGGAAATGAAAACANATT TACTTCCAACCAGAATGTCTGAGGGCATGTAAAAAAGTTTCANTCCAAGAATATCAAAGG GAGGCCTATTTANACCAAGAAAAGAAGAAGCCAGAGTAAATAGCTATGAAGAAATTT TTGTTAAATATGT
Restriction Sites:	NotI-NotI
ACCN:	NM_006287
Insert Size:	3750 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_006287.3 , NP_006278.1
RefSeq Size:	1431 bp
RefSeq ORF:	915 bp
Locus ID:	7035
UniProt ID:	P10646
Cytogenetics:	2q32.1
Domains:	KU

Protein Families: Secreted Protein

Protein Pathways: Complement and coagulation cascades

Gene Summary: This gene encodes a Kunitz-type serine protease inhibitor that regulates the tissue factor (TF)-dependent pathway of blood coagulation. The coagulation process initiates with the formation of a factor VIIa-TF complex, which proteolytically activates additional proteases (factors IX and X) and ultimately leads to the formation of a fibrin clot. The product of this gene inhibits the activated factor X and VIIa-TF proteases in an autoregulatory loop. Inhibition of the encoded protein restores hemostasis in animal models of hemophilia. This gene encodes multiple protein isoforms that differ in their inhibitory activity, specificity and cellular localization. [provided by RefSeq, Jul 2016]

Transcript Variant: This variant (1) encodes the longer isoform (a, also known as TFPIalpha), which is secreted. Variants 1 and 4-6 encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.