

Product datasheet for SC123622

TFPI (BC015514) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TFPI (BC015514) Human Untagged Clone
Tag: Tag Free
Symbol: TFPI
Synonyms: EPI; LACI; TFI; TFPI1
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC015514 edited
AACAGACAGCAGCGACTTTAGGCTGGATAATAGTCAAATCTTACCTCGCTCTTTCACTG
CTAGTAAGATCAGATTGCGTTCCTTTCAGTTACTCTTCAATCGCCAGTTTCTTGATCTGCT
TCTAAAAGAAGAAGTAGAGAAGATAAATCCTGTCTTCAATACCTGGAAGGAAAAACAAAA
TAACCTCAACTCCGTTTTGAAAAAACATTCCAAGAACTTTCATCAGAGATTTTACTTAG
ATGATTTACACAATGAAGAAAGTACATGCACTTTGGGCTTCTGTATGCCTGCTGCTTAAT
CTTGCCCTGCCCTCTAATGCTGATTCTGAGGAAGATGAAGAACACACAATTATCACA
GATACGGAGTTGCCACCACTGAACTTATGCATTCATTTGTGCATTCAAGGCGGATGAT
GGCCCATGTAAGCAATCATGAAAAGATTTTCTTCAATATTTTCACTCGACAGTGGCAA
GAATTTATATATGGGGATGTGAAGGAAATCAGAATCGATTTGAAAGTCTGGAAGAGTGC
AAAAAATGTGTACAAGAGATAATGCAACAGGATTATAAAGACAACATTGCAACAAGAA
AAGCCAGATTTCTGCTTTTTGGAAGAAGATCCTGGAATATGTCGAGGTTATATTACCAGG
TATTTTTATAACAATCAGACAAAACAGTGTGAACGTTTCAAGTATGGTGGATGCCTGGGC
AATATGAACAATTTTGGACACTGGAAGAATGCAAGAATTTGTGAAGATGGTCCGAAT
GGTTTCCAGGTGGATAATTATGGAACCCAGCTCAATGCTGTGAATAACTCCCTGACTCCG
CAATCAACCAAGGTTCCAGCCTTTTTGTTACAAAAGAAGGAACAATGATGGTTGGAAG
AATGCGGCTCATATTTACCAAGTCTTTCTGAACGCCTTCTGCATTCATGCATCCATGTTCT
TTTCTAGGATTGGATAGCATTTCATGCCTATGTTAATATTTGTGCTTTTGGCATTTCCTT
AATATTTATATGTATACGTGATGCCTTTGATAGCATACTGCTAATAAAGTTTTAATATTT
ACATGCAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC015514 unedited G TTCAGATTTGTATACGACTCACTATAGGCGGCCGCGATTCCCGGNAATCGTCGACCCA C CGCGTCCGAACANACAGCAGCGACTTTAGGCTGGATAATAGTCAAATCTTACCTCGCTC T TTTCACTGCTAGTAAGATCAGATTGCGTTCTTTTCAGTTACTCTTCAATCGCCAGTTTCTT G ATCTGCTTCTAAAAGAAGAAGTAGAGAAGATAAATCCTGTCTTCAATACCTGGAAGGAA A AACAAAATAACCTCAACTCCGTTTTGAAAAAACATTCCAAGAACTTTCATCAGAGATT T TACTTAGATGATTTACACAATGAAGAAAGTACATGCACCTTTGGGCTTCTGTATGCCTGC T GCCTTAATCTTGCCCTGCCCTCTTAATGCTGATTCTGAGGAAGATGAAGAACACACAA T TATCACAGATACGGAGTTGCCACCACTGAACTTATGCATTCATTTTGTGCATTCAAGG C CGGATGATGGCCCATGTAAGCAATCATGAAAAGATTTTTCTTCAATATTTTCACTCGAC A GTGCGAAGAATTTATATATGGGGGATGTGAAGGAAATCAGAATCGATTTGAAAGCTGG A AAGAGTGCAAAAAATGTGTACAAGAGATAATGCAAACAGGATTATAAGACAACATTGC A AACAGAAAAGCCAGATTTCTGCTTTTTGGAAGAAGATCCTGGAATATGTCGAGGTTATA T TACCAGGTATTTTTATAACAATCAGACAAAACAGTGTGAACGTTTNCAGTATGGTGG A TGCTGGGCAATATGAACAATTTTGAGACACTGGAAGAATGCAAGAACATTTGTGAAGAT G GTCGCAATGGTTCCAGGTGGATAATTATGGAACCCAGCTCAATGCTGTGAATAACTCC C CTGACTCCGCATCAACAGGTTCCNAGNCTTTTTGTTACAAAAGAG
Restriction Sites:	Please inquire
ACCN:	BC015514
Insert Size:	1108 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:	BC015514.1 , AAH15514.1
RefSeq Size:	1108 bp
Locus ID:	7035
Cytogenetics:	2q32.1
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]