

Product datasheet for MR222949

Tfpi (NM_011576) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfpi (NM_011576) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tfpi
Synonyms:	A630013F22Rik; AW552122; EPI; LACI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR222949 representing NM_011576 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTTACAAAATGAAGAAAGAATATGCCTTTGGGCCACTGTGTGTCTGTTGCTTAGCCTTGTTCCCG
AGTTTCTTAATGCTCTGTCTGAGGAAGCTGATGACACAGATTCTGAGCTGGGTCAATGAAACCGCTACA
TACATTTGTGCAATGAAGGCAGATGATGGTCCATGCAAAGCAATGATAAGGAGTTATTTTTTCAATATG
TATACTCATCAATGTGAAGAATTTATATACGGGGGATGTGAAGGGAACGAGAACCATTGATACCCCTGG
AAGAGTGAAGAAAACATGCATACCAGGTTATGAGAAGACAGCTGTGAAGGCAGCATCTGGAGCAGAAAAG
GCCAGATTTCTGCTTCTTGAAGAGGACCCTGGACTCTGCCGAGGTTACATGAAGAGGTATCTTTATAAC
AACCAGACAAAGCAGTGTGAACGATTCTGTGAGAAATCCAGTCCACTCCCCTCCCAAGTGAATGAGGTACAGATGAG
TGACTACGTAAGTGAAGAAACTGTAAGTATCGCAGTACTGTAATAACATCGTGGTTCCCCAGTCT
CCCAAAGTGGCCAGGCGTCGGGATTATCGTGGCCGTCCTGGTGTCTTCAACCAGCAGACAGTGGATTAT
GTAAGCCAGTGAGAGAAGATTCTACTACAATTCAGCCACTGGGAAATGCCACCGATTAACTACACTGG
ATGTGGGGGAAATAATAATAATTTTACTACCAGAAGGAGATGTCTGAGATCATGTAAAACAGGTCTCATC
AAAAACAAGTCAAAGGAGTAGTTAAGATTCAGAGAAGAAAGGCCCCCTCGTGAAGATTGTATATGAAA
GCATTAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222949 representing NM_011576
Red=Cloning site Green=Tags(s)

MTYKMKKEYAFWATVCLLLSLVPEFLNALSEEADTDSELGSMKPLHTFCAMKADDPCKAMIRSYFFNM
 YTHQCEEFIYGGCEGNENRFDLTLEECKKTCIPGYEKTAVKAASGAERPDFCFLEEDPGLCRGYMKRYLYN
 NQTKQCERFVYGGCLGNRNNFETLDECKKICENPVHSPVNEVQMSDYVTDGNTVDRSTVNNIIVPQS
 PKVPRRRDYRGRPWCLQPADSGLCKASERRFYNSATGKCHRFNVTGCGN>NNNFTRRRCLRSCKTGLI
 KNKSKGVVKIQRRKAPFVKVYVESIN

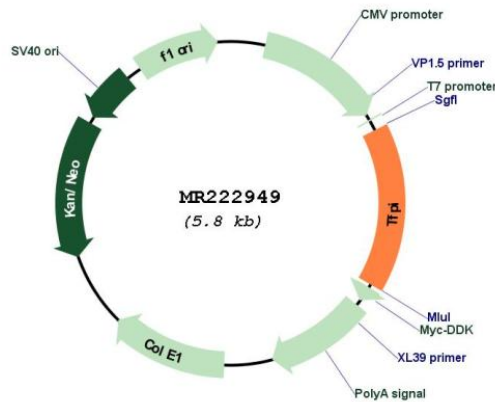
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011576

ORF Size: 918 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).
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_011576.1 , NP_035706.1
RefSeq Size:	1492 bp
RefSeq ORF:	921 bp
Locus ID:	21788
UniProt ID:	O54819
Cytogenetics:	2 D
MW:	35.4 kDa
Gene Summary:	Inhibits factor X (X(a)) directly and, in a Xa-dependent way, inhibits VIIa/tissue factor activity, presumably by forming a quaternary Xa/LACI/VIIa/TF complex. It possesses an antithrombotic action and also the ability to associate with lipoproteins in plasma (By similarity). [UniProtKB/Swiss-Prot Function]