

Product datasheet for **MR222864**

Tfpi (NM_001177319) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfpi (NM_001177319) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tfpi
Synonyms:	A630013F22Rik; AW552122; EPI; LACI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222864 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTTACAAAATGAAGAAAGAACATGCCTTTTGGGCCACTGTGTGTCTGTTGCTTAGCCTTGTTCCCG
 AGTTTCTTAATGCTCTGTCTGAGGAAGCTGATGACACAGATTCTGAGCTGGGGTCAATGAAACCGCTACA
 TACATTTTGTGCAATGAAGGCAGATGATGGTCCATGCAAAGCAATGATAAGGAGTTATTTTTTCAATATG
 TATACTCATCAATGTGAAGAATTTATACGGGGGATGTGAAGGGAACGAGAACCGATTTGATACCTGG
 AAGAGTGTAAGAAAACATGCATACCAGTTATGAGAAGACAGCTGTGAAGGCAGCATCTGGAGCAGAAAAG
 GCCAGATTTCTGCTTCTTGAAGAGGACCCGGGACTCTGCCGAGGTTACATGAAGAGGTATCTTTATAAC
 AACCAGACAAAGCAGTGTGAACGATTCTGTACGGTGGCTGCCTGGGCAACCGCAACAACCTTTGAAACTT
 TGGATGAGTGCAAGAAGATCTGTGAGAATCCAGTCCACTCCCCTTCCCCAGTGAATGAGGTACAGATGAG
 TGACTACGTAAGTATGAGAAATACTGTAAGTATCGCAGTACTGTAATAACATCGTGGTTCCCCAGTCT
 CCCAAAGTGCCAGGCGTCGGGCTGCCTTGGTACTGTATCACCTTTATGATATTTTGAAAAAATCATCT
 TTGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR222864 protein sequence
 Red=Cloning site Green=Tags(s)

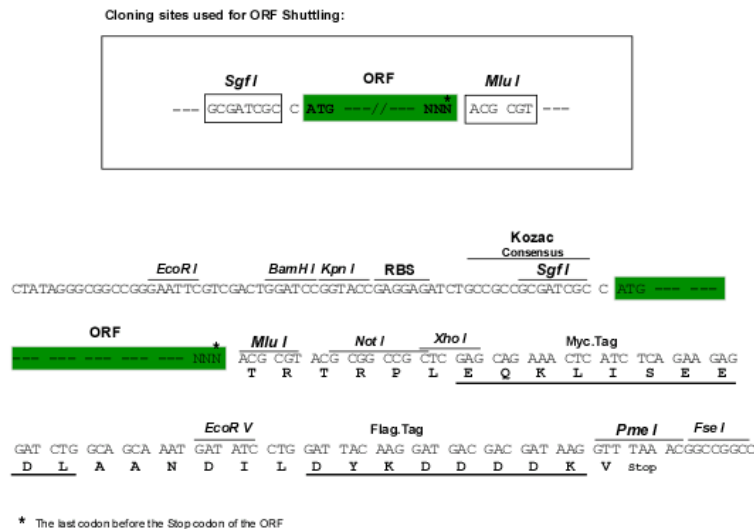
MTYKMKKEHAFWATVCLLLSLVPEFLNALSEEADDTDSELGSMKPLHTFCAMKADDGPCKAMIRSYFFNM
 YTHQCEEFIYGGCEGNENRFDLTLEECKKTCIPGYEKTAVKAASGAERPDFCFLEEDPGLCRGYMKRYLYN
 NQTKQCERFVYGGCLGNRRNFETLDECKKICENPVHSPSPVNEVQMSDYVTDGNTVTDRSTVNNIVVPQS
 PKVPRRRAALVLYHLYDILKKLIFG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001177319

ORF Size: 708 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:

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_001177319.1, NP_001170790.1

RefSeq Size: 3027 bp

RefSeq ORF: 708 bp

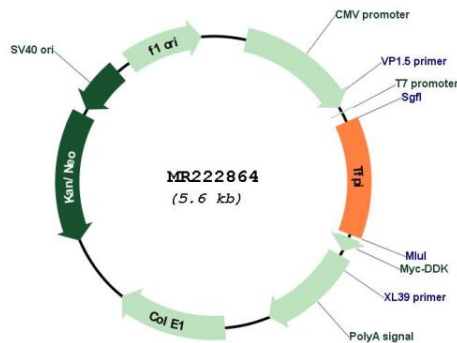
Locus ID: 21788

Cytogenetics: 2 D

MW: 26.8 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]

Product images:



Circular map for MR222864