

Product datasheet for **MG202854**

Tfpi (BC036146) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfpi (BC036146) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tfpi
Synonyms:	EPI, LACI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202854 representing BC036146 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTACAAAATGAAGAAAGAACATGCCTTTGGGCCACTGTGTGTCTGTTGCTTAGCCTTGTTCCCG
AGTTTCTTAATGCTCTGTCTGAGGAAGCTGATGACACAGATTCTGAGCTGGGTCAATGAAACCGCTACA
TACATTTGTGCAATGAAGGCAGATGATGGTCCATGCAAAGCAATGATAAGGAGTATTTTTTCAATATG
TATACTCATCAATGTGAAGAATTTATACGGGGGATGTGAAGGGAACGAGAACCGATTTGATACCTGG
AAGAGTGAAGAAAACATGCATACCAGTTATGAGAAGACAGCTGTGAAGGCAGCATCTGGAGCAGAAAG
GCCAGATTTCTGCTTCTTGAAGAGGACCCGGGACTCTGCCGAGGTTACATGAAGAGGTATCTTTATAAC
AACCAGACAAAGCAGTGTGAACGATTTCGTGACGGTGGCTGCCTGGGCAACCGCAACAACCTTTGAAACT
TGGATGAGTGCAAGAAGATCTGTGAGAATCCAGTCCACTCCCCTTCCCCAGTGAATGAGGTACAGATGAG
TGACTACGTAAGTATGAAATACTGTAAGTATCGCAGTACTGTAATAACATCGTGGTCCCCAGTCT
CCCAAAGTGCCAGGCGTCGGCTGCCTTGGTACTGTATCACCTTATGATATTTGAAAAAATCATCT
TTGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202854 representing BC036146
Red=Cloning site Green=Tags(s)

MTYKMKKEHAFWATVCLLLSLVPEFLNALSEEADDTDSELGSMKPLHTFCAMKADDGPKAMIRSYFFNM
 YTHQCEEFYGGCEGNERFDTLEECKKTCIPGYEKTAVKAASGAERPDFCFLEEDPGLCRGYMKRYLYN
 NQTKQCFERFVGGCLGNRNNFETLDECKKICENPVHSPSPVNEVQMSDYVTDGNTVDRSTVNNIIVPQS
 PKVPRRRAALVLYHLYDILKLIIFG

TRTRPLE - GFP Tag - V

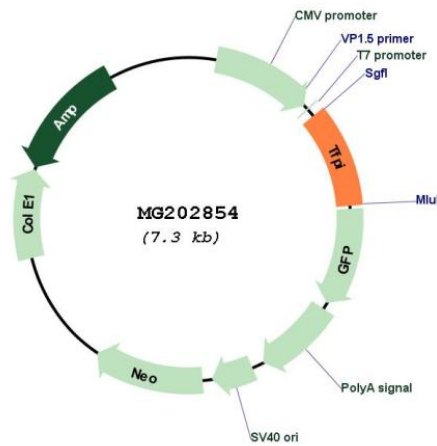
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC036146

ORF Size: 707 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:	BC036146 , AAH36146
RefSeq Size:	3065 bp
RefSeq ORF:	707 bp
Locus ID:	21788
Cytogenetics:	2 D
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]