

Product datasheet for **RG221767**

TGIF2LX (NM_138960) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TGIF2LX (NM_138960) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TGIF2LX
Synonyms:	TGIFLX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221767 representing NM_138960 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGAGGCCGCTGCGGACGGCCCGGCTGAGACCCAAAGCCCGGTGAAAAAGACAGCCCGCGAAGACCC
 AAAGCCCAGCCCAAGACACCTCAATCATGTGAGAAATAACGCAGATACAGGCAGAGTTCTTGCTTACC
 AGAGCACAAGAAGAAGCGCAAGGGAACTTGCCAGCCGAGTCCGTTAAGATCCTCCGCGACTGGATGTAT
 AAGCATCGGTTTAAGGCCTACCCTTCAGAAGAAGAGAAGCAAATGCTGTCAGAGAAGACCAATTTGTCTT
 TGTTCAGATTTCTAACTGGTTTATCAATGCTCGCAGACGCATTCTCCCGGATATGCTTCAACAGCGTAG
 AAACGACCCCATCATTGGCCACAAAACGGGCAAAGATGCCCATGCCACCCACCTGCAGAGCACCGAGGCG
 TCTGTGCCGCGCAAGTCAGGGCCCAAGTGGTCCAGACAATGTACAAAGCCTGCCCTGTGGCCCTTGCCAA
 AGGGCCAGATGTCAAGAGAGAAGCAACCAGATCCGGAGTCGGCCCTAGCCAGAAGCTCACCGGAATAGC
 CCAGCCGAAGAAAAAGTCAAGGTTTCTATCACATCCCCGTCTTCTCCAGAACTTGTGTCTCCAGAGGAG
 CACGCCGACTTCAGCAGCTTCTGCTGCTAGTCGATGCAGCAGTACAAAGGGCTGCCGAGCTGGAGCTAG
 AGAAGAAGCAAGAGCCTAATCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG221767 representing NM_138960
 Red=Cloning site Green=Tags(s)

MEAAADGPAETQSPVEKDSPAQTQSPAQDTSIMSRNNADTGRVLALPEHKKKRKGNLPAESVKILRDWMY
 KHRFKAYPSEEEKQMLSEKTNLSLLQISNWFINARRRILPDMQQRRNDPIIGHKTGKDAHATHLQSTEA
 SVPKSGPSGPDNVQSLPLWPLPKGQMSREKQPDPEAPSQKLGTIAQPKKKVKVSITSPSSPELVSPPE
 HADFSFLLLVDAAVQRAAELEKKQEPNP

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138960

ORF Size: 723 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_138960.1](#)

RefSeq Size: 881 bp

RefSeq ORF: 726 bp

Locus ID: 90316

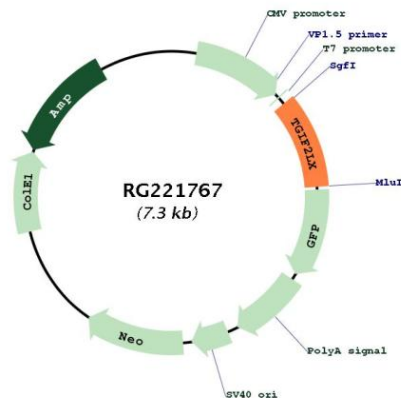
UniProt ID: [Q8IU1](#)

Cytogenetics: Xq21.31

Protein Families: Transcription Factors

Gene Summary: This gene encodes a member of the TALE/TGIF homeobox family of transcription factors. Testis-specific expression suggests that this gene may play a role in spermatogenesis. A homolog of this gene lies within the male specific region of chromosome Y, in a block of sequence that is thought to be the result of a large X-to-Y transposition. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG221767