

Product datasheet for **MC226244**

Tgif2 (NM_001291124) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tgif2 (NM_001291124) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tgif2
Synonyms:	4921501K24; 5730599O09Rik; C80753; C81206
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC226244 representing NM_001291124 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCGGACAGCGATCTAGGCGAGGATGAGGGGCTCCTGTCACTGACCGCAAGAGGAAGCGCAGAGGGA
ACCTGCCCAAGGAGTCAGTAAAGATCCTCCGGGACTGGCTCTATCTGCACCGCTACAACGCCTACCCCTC
AGAGCAGGAGAAGCTAAGTCTCTCTGGACAGACCAACCTCTCGGTGCTGCAGATATGTAAGTGGTTCATC
AATGCCCGTCGTCGCCTTCTCCCTGACATGCTTCGGAAGGATGGCAAAGACCCTAATCAGTTCACCATCT
CCCCTCGTGGGGCCAAGGTGAAAAGCCAGCAGCACCCCTCCCAAGTGGAGCTGGAATCCCCCAAGGC
CCTGGTGACCCCTGCTAGCACACTCACCCCTGCTGACTAGGGCAGAGGCTGGAAGCCCCACGGGTGGACTC
TTCAATACGCCACCACCCACACCCCCAGAGCAGGACAAGGATGACTTCAGCAGCTTCCAGTTGCTGGTGG
AGGTGGCGCTGCAGAGGGCTGCCGAGATGGAGCTTCAGAAGCAGCAAGAGCCAGCGCCACCTTTGCTACA
CACTCCGCTGCCTTTCGTCTCAGAAAACGCCAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001291124
Insert Size:	597 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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001291124.1</u> , <u>NP_001278053.1</u>
RefSeq Size:	2783 bp
RefSeq ORF:	597 bp
Locus ID:	228839
UniProt ID:	<u>Q8C0Y1</u>
Cytogenetics:	2 H1
Gene Summary:	<p>Transcriptional repressor, which probably repress transcription by binding directly the 5'-CTGTCAA-3' DNA sequence or by interacting with TGF-beta activated SMAD proteins. Probably represses transcription via the recruitment of histone deacetylase proteins (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame segment in the central coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.</p>