

Product datasheet for **MR228455**

Tgif2 (NM_001291124) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tgif2 (NM_001291124) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tgif2
Synonyms: 4921501K24; 5730599O09Rik; C80753; C81206
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228455 representing NM_001291124
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGTCGGACAGCGATCTAGGCGAGGATGAGGGGCTCCTGTCACTGACCGCAAGAGGAAGCGCAGAGGGA
ACCTGCCCCAAGGAGTCAGTAAAGATCCTCCGGGACTGGCTCTATCTGCACCGCTACAACGCCTACCCCTC
AGAGCAGGAGAAGCTAAGTCTCTCTGGACAGACCAACCTCTCGGTGCTGCAGATATGTAAGTGGTTCATC
AATGCCGTCGTCGCCTTCTCCCTGACATGCTTCGGAAGGATGGCAAAGACCCTAATCAGTTCACCATCT
CCCGTCGTGGGGCCAAGGTGAAAAGCCAGCAGCACCCCTCCACAAGTGGAGCTGGAATCCCCAAGGC
CCTGGTGACCCCTGCTAGCACACTCACCCCTGCTGACTAGGGCAGAGGCTGGAAGCCCCACGGGTGGACTC
TTCAATACGCCACCACCCACACCCCCAGAGCAGGACAAGGATGACTTCAGCAGCTTCCAGTTGCTGGTGG
AGGTGGCGCTGCAGAGGGCTGCCGAGATGGAGCTTCAGAAGCAGCAAGAGCCAGCGCCACCTTTGTACA
CACTCCGCTGCCTTTCTGTCTCAGAAAACGCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228455 representing NM_001291124
Red=Cloning site Green=Tags(s)

MSDSDLGEDEGLLSLTGKRKRGRNLPKESVKILRDWLYLHRYNAYPSEQEKLSLSGQTNL SVLQICNWF I
 NARRRLPDMLRKDGKDPNQFTISRGGQGEKPAAPFPQVELESPKALVTPASTLTLLTRAEAGSPTGGL
 FNTPPPTPPEQDKDDFSSFQLLVEVALQRAAEMELQKQEPAPPLLHTPLPFVSENAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001291124

ORF Size: 594 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

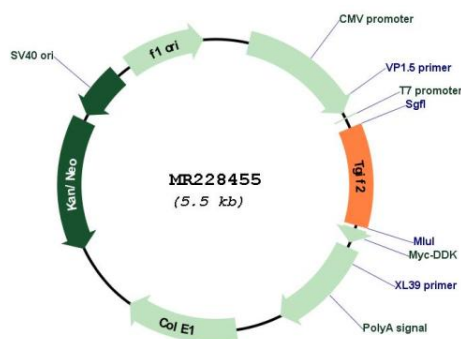
RefSeq: [NM_001291124.1](#), [NP_001278053.1](#)

RefSeq Size: 2783 bp

RefSeq ORF: 597 bp

Locus ID:	228839
UniProt ID:	Q8C0Y1
Cytogenetics:	2 H1
MW:	22.5 kDa
Gene Summary:	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]

Product images:



Circular map for MR228455