

Product datasheet for MR224610

Tgif1 (NM_001164075) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tgif1 (NM_001164075) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tgif1
Synonyms:	AA959811; AI462167; Tgif
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224610 representing NM_001164075 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGAGATGGTGCTCTCGCCACGGGCAGGCAGGCATGACCCTGCTTCTGGGTTCCGCCAGCGCGTAGAGG
GACGGGTGATCTCGGCCCCAGGCCAGGGTTGTGGAGCTGGAAGGTCTTGTTCAGCATCTGGCAGTGA
CTCTGAGGATGAAGACAGCATGGACAGTCCCCTGGACCTTTCCTCATCAGCAGCCTTGGAAGAGAAGG
AGGAGAGGCAATCTGCCAAGGAGTCACTCCAGATTCTGCGAGACTGGCTGTATGAACACAGATAACAACG
CCTATCCCTCAGAGCAAGAGAAAGCACTGCTGTCCAGCAGACACACCTGTCCACTACAGGTCTGTAA
CTGTTTCAACGCCCCCGCAGGCTCCTTTCCTGACATGCTGAGAAAGGATGGCAAAGATCCAAATCAG
TTCACGATTTCCCGCCGTGGGGCAAGATTTTCAAGAGCTAGCTCTATTGAAGCTGCAATGGGTATCAAAA
ACTTCATGCCAACTCTAGAAGAGAGCCCATTTTCCTGCGTAGTTGGACCCAAACCCATAGGGAG
ACCAGTGTCTCCCAAACCTCCCTCCCCAGGATCCATTTTGGCTCGCCCGTCAGTGATCTGCCATACCACT
GTGACTGCATTGAAGGATGGGCTTTTCTCTCTGTGACGCGATTGGTGTGGGACAGAGTACAGATGTAC
CGAAATAGCACCCAGCAACTTTACAGACACCTCTCTCGTGTACCCAGAGGACACTTGCAAACTGGACC
CAGTCCAAACCTCAGAGTGGTCTTTTCAACACTCCTCCCCCTACTCCACCAGACCTCAACCAGGATTTT
AGTGGATTCAGCTTCTAGTGGATGTTGCACTCAAACGAGCGGCAGAGATGGAGCTTCAGGCCAACTCA
CAGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224610 representing NM_001164075
Red=Cloning site Green=Tags(s)

MEMVLSPRAGRHD PASGFRQRVEGRVISAPRPRVVELEGLVAASGSDSEDEDSMDSPLDLSSSAASGKRR
 RRGNLPKESVQILRDWL YEHRYNAYPSEQEKALLSQQTHLSTLQVCNWF INARRLLPDMLRKDGKDPNQ
 FTISRRAKISEASSIEAAMGIKNFMP TLEESP FHSCVVGPNPTLGRPVSPKPPSPGSILARPSVICH TT
 VTALKDGPFLSCQPIGVGQSTDV P QIAPSNFTD TSLVYPEDTCKSGSPNPQSGLFNT P P P T P P D L N Q D F
 SGFQLLV D V A L K R A A E M E L Q A K L T A

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2317_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001164075

ORF Size: 915 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_001164075.1](#), [NP_001157547.1](#)

RefSeq Size: 1720 bp

RefSeq ORF: 918 bp

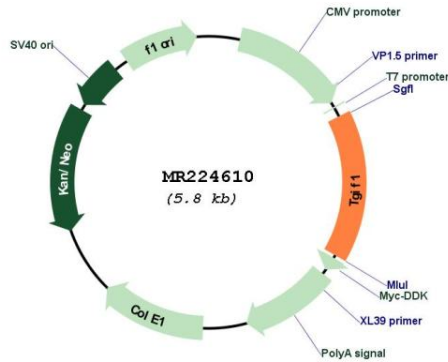
Locus ID: 21815

Cytogenetics: 17 E1.3

MW: 33.7 kDa

Gene Summary: Binds to a retinoid X receptor (RXR) responsive element from the cellular retinol-binding protein II promoter (CRBP-II-RXRE). Inhibits the 9-cis-retinoic acid-dependent RXR alpha transcription activation of the retinoic acid responsive element. May participate in the transmission of nuclear signals during development and in the adult, as illustrated by the down-modulation of the RXR alpha activities (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224610