

Product datasheet for **MG223789**

Tgif1 (NM_001164074) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tgif1 (NM_001164074) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tgif1
Synonyms: AA959811; AI462167; Tgif
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223789 representing NM_001164074
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGTCCCCTGGACCTTTCCTCATCAGCAGCCTCTGGCAAGAGAAGGAGGAGAGGCAATCTGCCCA
AGGAGTCAGTCCAGATTCTGCGAGACTGGCTGTATGAACACAGATACAACGCCTATCCCTCAGAGCAAGA
GAAAGCACTGCTGTCCCAGCAGACACCTGTCCACACTACAGGTCTGTAAGTGGTTCATCAACGCCGC
CGCAGGCTCCTTCTGACATGCTGAGAAAGGATGGCAAAGATCCAATCAGTTCACGATTTCCCGCCGTG
GGCCAAGATTTGAGAAGCTAGCTCTATTGAAGCTGCAATGGGTATCAAAAATTCATGCCAACTCTAGA
AGAGAGCCCATTTCACTTCTGCGTAGTTGGACCAACCCAACCTAGGGAGACCAGTGTCTCCAAACCT
CCCTCCCCAGGATCCATTTGGCTCGCCCGTCAGTGATCTGCCATACCACTGTGACTGCATTGAAGGATG
GGCCTTCTCTCTGTGACCCGATTGGTGTGGGACAGAGTACAGATGTACCGCAAATAGCACCCAGCAA
CTTTACAGACACCTCTCTCGTGTACCCAGAGGACACTTGCAAATCTGGACCCAGTCCAAACCTCAGAGT
GGTCTTTTCAACACTCCTCCCCCTACTCCACCAGACCTCAACCAGGATTTTAGTGGATTCCAGCTTCTAG
TGGATGTTGCACTCAAACGAGCGGCAGAGATGGAGCTTCAGGCCAACTCACAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223789 representing NM_001164074
 Red=Cloning site Green=Tags(s)

MDSPLDLSSSAASGKRRRRGNLPKESVQILRDWLYEHRYNAYPSEQEKALLSQQTHLSTLQVCNWFINAR
 RRLLPDMLRKDGKDPNQFTISRRAKISEASSIEAAMGIKNFMPTLEESPFHSCVVGPNPTLGRPVS PKP
 PSPGSILARPSVICHTTVTALKDGPFLCQPIGVGQSTDV PQIAPSNFTDTSLVYPEDTCKSGPSPNPQS
 GLFNTPPPTPDLNQDFSGFQLLDVVALKRAAEMELQAKLTA

TRTRPLE - GFP Tag - V

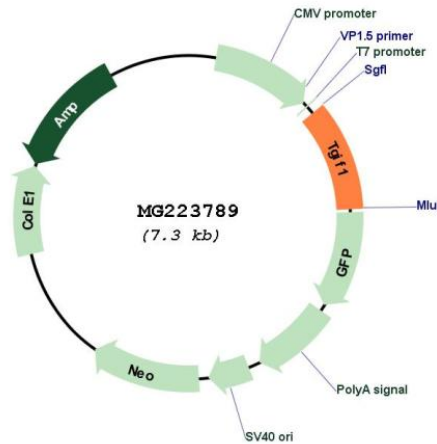
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001164074

ORF Size: 759 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:	NM_001164074.1 , NP_001157546.1
RefSeq Size:	1380 bp
RefSeq ORF:	759 bp
Locus ID:	21815
UniProt ID:	P70284
Cytogenetics:	17 E1.3
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]