

## Product datasheet for **SC206537**

### **TGIF (TGIF1) (NM\_173211) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	TGIF (TGIF1) (NM_173211) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TGIF1
Synonyms:	HPE4; TGIF
ACCN:	NM_173211
Insert Size:	2000 bp



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**Insert Sequence:**

>SC206537 3'UTR clone of NM\_173211

The sequence shown below is from the reference sequence of NM\_173211. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATGGAGCTTCAGGCAAACTTACAGCTTAAACCCATTTTCAAGCAAAACAGTTCTCAGAAATGTCATGAT
TGCCGGGGTGAAGGCAAGAGATGAATTGCATTATTTTATATATTTTATTAATATTTGCACATGGGAT
TGCTAAACAGCTTCTGTTACTGAGATGTCTTCAATGGAATACAGTCATTCCAAGAACTATAAACTTA
AAGCTACTGTAGAAACAAAGGGTTTTCTTTTTAAATGTTTCTGGTAGATTATTCATAATGTGAGATG
GTTCCCAATATCATGTGATTTTTTTTTCTCCCTTCCCTTTTTTGTATTTTTTCAGACTGTGCAA
TACTTAGAGAACCTATAGCATCTTCTCATTCCCATGTGGAACAGGATGCCACATACTGTCTAATTAAT
AAATTTTCCATTTTTTTCAAACAAGTATGAATCTAGTTGGTTGATGCCTTTTTTTCATGACATAATA
AAGTATTTTCTTTAAAAATTGTTGTAATTCAGAGTATTTCTGTTGAGGGAGGTGCTTCTTAAAAATAAG
TAGGAATATAGCACCCAGTGAGCAGGAAGCTGGGGGGTAGGGTGACAGTGTTAGGGGGTGTCACCAGC
TCTTTGAAAACCTGTGGACAACAAGCCAGTTTGCAATAACAGGATGTGTGATATTTACTCTTGATAGGA
GGCATAGCAGGCCCTTAGAGCTTTACTTAACTGCATGGCAAATTGAAATGAATCATTTTAGTGTTAG
CTAGCCACTAAATCCCTTGCTGATCTGCTGCGTAGTTTAAACGTGGCCATGTTATAAAGAAAAGTC
TTGAAGCATCCGGTTATTGCTGAGTTTTCAGAAGAAAACAACGCAAGCAATCTCTTGCCCTTTTCCAC
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ATTGGTGTGCTCTTTCACTTGTATGGTTGAGCAGATTGTGCATGCCACAAAACCATTTCTTTGTAG
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GTCTAAGTGTGAGGGAGCATCAGAGCTTCAGTATTGTTTAAAGAAATGTAGAAAAATACAAATTTGTCTA
ATTTTGAACTATTTAGAAAGTCCCTACTGTAGAAAGAGCTAACTCAAAGACTTCTCTGTAAGTGA
AAGAAAAAACTGCTGATGATTACCAAGAGGCGTAAGAAAATTAGGTGAGGGAATGTTGTGCTCTAGCC
TGTGGGTGCAGCTTCGTAGGGCACATCAGCTTAGAATGGTCTGGCCTCACCTCAGAGAGTCACAGAAA
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GACGCAAAAGGTGATCCAGAATCATTACTTGCTCCAACAGCTAGATCAAAGGCTGAACATTTTGTCTTAG
TATAGATGAGGGAATGAGCAAGTCCTAAAAGGTTTGCCCTGTTACGGTGTTCATCACTCATACTGGA
AGGAGAAGGAAAGGAGCCATATGACTCATTTAAAGAAAAACTGTAAGTCACCTTAAATCCCTATGTT
TTACTTCATTTTTTCCCTATTGAGGTGTTACAGGTGATGGTTGATAATAGTTGGTGTGAATGAATGT
AATCCATTATTTAAAAACAGGTACATTTAAGTGAAAAGATAAATGTAAAAAGCTGTTTATATCAAAGC
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
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**Restriction Sites:**

Sgfl-MluI

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:**

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:**

NM\_173211.2

**Summary:**

The protein encoded by this gene is a member of the three-amino acid loop extension (TALE) superclass of atypical homeodomains. TALE homeobox proteins are highly conserved transcription regulators. This particular homeodomain binds to a previously characterized retinoid X receptor responsive element from the cellular retinol-binding protein II promoter. In addition to its role in inhibiting 9-cis-retinoic acid-dependent RXR alpha transcription activation of the retinoic acid responsive element, the protein is an active transcriptional co-repressor of SMAD2 and may participate in the transmission of nuclear signals during development and in the adult. Mutations in this gene are associated with holoprosencephaly type 4, which is a structural anomaly of the brain. Alternative splicing has been observed at this locus and multiple splice variants encoding distinct isoforms are described. [provided by RefSeq, Jul 2013]

**Locus ID:**

7050

**MW:**

76.7