

## Product datasheet for **SC206532**

### TGIF (TGIF1) (NM\_173210) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	TGIF (TGIF1) (NM_173210) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TGIF1
Synonyms:	HPE4; TGIF
ACCN:	NM_173210
Insert Size:	2000 bp



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**Insert Sequence:**

>SC206532 3'UTR clone of NM\_173210

The sequence shown below is from the reference sequence of NM\_173210. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATGGAGCTTCAGGCAAACTTACAGCTAACCCATTTTCAAGCAAAACAGTTCTCAGAAATGTCATGAT
TGCCGGGGTGAAGGCAAGAGATGAATTGCATTATTTTATATATTTTTTATTAATATTTGCACATGGGAT
TGCTAAAACAGCTTCTGTTACTGAGATGTCTTCAATGGAATACAGTCATTCCAAGAACTATAAACTTA
AAGCTACTGTAGAAACAAAGGTTTTCTTTTTAAATGTTTCTGGTAGATTATTCATAATGTGAGATG
GTTCCCAATATCATGTGATTTTTTTTTCTCCCTTCCCTTTTTTTGTTATTTTTTCAGACTGTGCAA
TACTTAGAGAACCTATAGCATCTTCTCATTCCCATGTGGAACAGGATGCCACATACTGTCTAATTAAT
AAATTTCCATTTTTTTCAAACAAGTATGAATCTAGTTGGTTGATGCCTTTTTTTTCATGACATAATA
AAGTATTTTCTTAAAAATTGTTGTAATTCAGAGTATTTCTGTTGAGGGAGGTGCTTCTTAAAAATAAG
TAGGAATATAGCACCCAGTGAGCAGGAAGCTGGGGGGTAGGGTGCAGTGTTAGGGGGTGCACCAGC
TCTTTGAAAACCTGTGGACAACAAGCCAGTTTGCAATAAACAGGATGTGTGATATTTACTCTTGATAGGA
GGCATAGCAGGCCCTTAGAGCTTAACTGCAATGCAAAATTGAAATGAATCATTTTGTGTTAG
CTAGCCACTAAATCCCTTGCTGATCTGCTGCGTAGTTTAAACGTGGCCATGTTATAAAGAAAAGTC
TTGAAGCATCCGGTTATTGCTGAGTTTTCAGAAGAAAACAACGCAAGCAATCTCTTGCCCTTTTCCAC
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GTATTTGCAGAGAAATTACCTTTTAAACATCTCAAAGTGTCTTCTAAAATGATGAAATAAACGGTGG
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TGGTGCTATGTACAAGTGGAGTTTGTGGGATAGACAATCACTTACAAAGCCAGATGGCCAGAAGGGA
ATTGGTGTGCTCTTCACTTGTATGGTTGAGCAGATTGTGCATGCCACAAAACCATTCTTTGTAG
TCATGCTTAGTATGAGCTTGCTTTGTTGTACGGTCATGTTCTTCCAGCCCTGCCCCAGCTATGAATT
GTCTAAGTGTGAGGGAGCATCAGAGCTTCAGTATTGTTTAAAGAATGTAGAAAAATACAAATTTGTCTA
ATTTTGAACCTATTTAGAAAGTCCCTACTGTAGAAAGAGCTAACTCAAAGACTTCTCTGTAAGTGA
AAGAAAAAACTGCTGATGATTACCAAGAGGCGTAAGAAAATTAGGTGAGGGAATGTTGTGCTCTAGCC
TGTGGGGTGCAGTTCGTAGGACATCAGCTTAGAATGGTCTGGCCTCACCTCAGAGATCACAGAAA
TAGACAAAAACCCAAAAAGTACTAGTAAAGTAAATACAAGGAACAAAATAAACATTAATAAAAAATGAAT
GACGCAAAAGGTGATCCAGAATCATTACTTGTCCAACAGCTAGATCAAAGGCTGAACATTTTGTCTTAG
TATAGATGAGGGAATGAGCAAGTCTAAAAGTTTGGCCTGTTACGGTGTTCATCACTCATACTGGA
AGGAGAAGGAAAGGAGCCATATGACTCATTAAAAGAAAACTGTAAGTACCTTAAATCCCTATGTT
TTACTTCATTTTTTCCCTATTGAGGTTGTACAGGTGATGGTTGATAATAGTTGGTGTGAATGAATGT
AATCCATATTTAAAAACAGGTACATTTAAGTAAAAAGATAAATGTA AAAAGCTGTTTATATCAAAGC
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCCGCCCTTCTATGAAAGG
    
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**Restriction Sites:**

SgfI-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\_173210.4

**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