

Product datasheet for **SC206540**

TGIF (TGIF1) (NM_170695) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TGIF (TGIF1) (NM_170695) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TGIF1
Synonyms:	HPE4; TGIF
ACCN:	NM_170695
Insert Size:	2000 bp



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Insert Sequence: >SC206540 3'UTR clone of NM_170695
 The sequence shown below is from the reference sequence of NM_170695. 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
ATGGAGCTTCAGGCAAACTTACAGCTTAACCCATTTTCAAGCAAAACAGTTCTCAGAAATGTCATGAT
TGCCGGGGTGAAGGCAAGAGATGAATTGCATTATTTTATATATTTTTTATTAATATTTGCACATGGGAT
TGCTAAAACAGCTTCTGTTACTGAGATGTCTTCAATGGAATACAGTCATTCCAAGAACTATAAACTTA
AAGCTACTGTAGAAACAAAGGGTTTTCTTTTTAAATGTTTCTGGTAGATTATTCATAATGTGAGATG
GTTCCCAATATCATGTGATTTTTTTTTCTCCCTTCCCTTTTTTTGTTATTTTTTCAGACTGTGCAA
TACTTAGAGAACCTATAGCATCTTCTCATTCCCATGTGGAACAGGATGCCACATACTGTCTAATTAAT
AAATTTCCATTTTTTTCAAACAAGTATGAATCTAGTTGGTTGATGCCTTTTTTTTCATGACATAATA
AAGTATTTTCTTAAAAATTGTTGTAATTCAGAGTATTTCTGTTGAGGGAGGTGCTTCTTAAAAATAAG
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TCTTTGAAAACCTGTGGACAACAAGCCAGTTTGCAATAAACAGGATGTGTGATATTTACTCTTGATAGGA
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ATTGGTGTGCTCTTCACTTGTATGGTTGAGCAGATTTGTCACATGCCACAAAACCATTCTTTGTAG
TCATGCTTAGTATGAGCTTGCTTTGTTGTACGGTCATGTTCTTCCAGCCCTGCCCCAGCTATGAATT
GTCTAAGTGTGAGGGAGCATCAGAGCTTCAGTATTGTTTAAAGAATGTAGAAAAATACAAATTTGTCTA
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TAGACAAAAACCCAAAAAGTACTAGTAAAGTAAATACAAGGAACAAAATAAACATTAATAAAAAATGAAT
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TATAGATGAGGGAAATGAGCAAGTCTAAAAGTTTGGCCTGTTACGGTGTTCATCACTCATACTGGA
AGGAGAAGGAAAGGAGCCATATGACTCATTAAAAAGAAAACTGTAAGTCACCTTAAATCCCTATGTT
TTACTTCATTTTTTCCCTATTGAGGTTGTTACAGGTGATGGTTGATAATAGTTGGTGTGAAATGAATGT
AATCCATTATTTAAAAACAGGTACATTTAAGTAAAAAGATAAATGTA AAAAGCTGTTTATATCAAAGC
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACC GCCCCTTCTATGAAAGG
  
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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_170695.5](#)

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