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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
Symbol:	TGIF
Synonyms:	HPE4; TGIF
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
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

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATGGAGCTTCAGGCAAAACTTACAGCTTAACCCATTTTCAAGCAAAACAGTTCTCAGAAATGTCATGAT
TGCCGGGGTGAAGGCAAGAGATGAATTGCATTATTTTATATATTTTTTATTAATATTTGCACATGGGAT
TGCTAAAACAGCTTCCTGTTACTGAGATGTCTTCAATGGAATACAGTCATTCCAAGAACTATAAACTTA
AAGCTACTGTAGAAACAAAGGGTTTTCTTTTTTAAATGTTTCTTGGTAGATTATTCATAATGTGAGATG
GTTCCCAATATCATGTGATTTTTTTTTTCCTCCCCTTCCCTTTTTTTGTTATTTTTTCAGACTGTGCAA
TACTTAGAGAACCTATAGCATCTTCTCATTCCCATGTGGAACAGGATGCCCACATACTGTCTAATTAAT
AAATTTTCCATTTTTTTTCAAACAAGTATGAATCTAGTTGGTTGATGCCTTTTTTTTCATGACATAATA
AAGTATTTTCTTTAAAAATTGTTGTAATTCAGAGTATTTCTGTTGAGGGAGGTGCTTCTTAAAAATAAG
TAGGAATATAGCACCCCAGTGAGCAGGAAGCTGGGGGGGTAGGGTGCAGTGTTAGGGGGTGTCACCAGC
TCTTTGAAAACCTGTGGACAACAAGCCAGTTTGCATAAACAGGATGTGTGATATTTACTCTTGATAGGA
GGCATAGCAGGCCCTTAGAGCTTTACTTAAACTGCATGGCAAATTGAAATGAATCATTTTAGTGTTTAG
CTAGCCACTAAATCCCTTGCTGATCTGTCCTGCGTAGTTTAAAACGTGGCCATGTTATAAAGAAAAGTC
TTGAAGCATCCGGTTATTGCTGAGTTTTCAGAAGAAAACAACGCAAGCAATCTCTTGCCCTTTTTCCAC
GTTACCCTTTAAAATAACCTTTGTTCAGTGGTACATTTAGTTAAGGCATTTGTATTCAAATGTAGCATA
GTATTTGCAGAGAAATTACCTTTTAAAACATCTCAAAAGTGTTTTCTAAAATGATGAAATAAACGGTGG
GGTTCTGTCTATGGTGGGATTGTCAGTTTATTAGGTGAGTATTTTCCAAGGTCTCAGTTTGTGAAAAAA
TGGTGCTATGTACAAGTGGAGTTTGTTGGGATAGACAATCACTTACAAAGCCCAGATGGCCAGAAGGGA
ATTGGTGTTGCTCCTTTCACTTGTATGGTTGAGCAGATTTGTCACATGCCACAAAACCATTCTTTGTAG
TCATGCTTAGTATGAGCTTGCTTTGTTGTTACGGTCATGTTCTTTCCAGCCCTGCCCCAGCTATGAATT
GTCTAAGTGTGAGGGAGCATCAGAGCTTCAGTATTGTTTAAAGAATGTAGAAAAATACAAATTTGTCTA
ATTTTGAAACTATTTTAGAAAGTCCCTACTGTAGAAAGAGCTAAACTCAAAGACTTTCCTTGTAAGTGA
AAGAAAAAAACTGCTGATGATTACCAAGAGGCGTAAGAAAATTAGGTGAGGGAATGTTGTGCTCTAGCC
TGTGGGGTGCAGCTTCGTAGGGCACATCAGCTTAGAATGGTCTGGCCTCACCTCAGAGAGTCACAGAAA
TAGACAAAAACCCAAAAAGTACTAGTAAAGTAAATACAAGGAACAAAATAAACATTAATAAAAATGAAT
GACGCAAAGGTGATCCAGAATCATTACTTGCTCCAACAGCTAGATCAAAGGCTGAACATTTTGCTTTAG
TATAGATGAGGGAAATGAGCAAGTCCTAAAAGGTTTGCCCTGTTACGGTGTTTCATCACTCATACTGGA
AGGAGAAGGAAAGGAGCCATATGACTCATTTAAAAGAAAAACTGTAAGTCACCTTAAATTCCCTATGTT
TTACTTCATTTTTTCCCTATTGAGGTTGTTACAGGTCATGGTTGATAATAGTTGGTGTTGAATGAATGT
AATCCATTATTTAAAAACAGGTACATTTAAGTGAAAAGATAAATGTAAAAAGCTGTTCATATCAAAGC
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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

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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

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