

Product datasheet for RC206945

TGIF (TGIF1) (NM_174886) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TGIF (TGIF1) (NM_174886) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TGIF
Synonyms: HPE4; TGIF
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC206945 representing NM_174886.
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACATTCCCTTGACCTTTCTTCATCCGCTGGCTCAGGCAAGAGAAGGAGAAGGGGCAACCTACCC
AAGGAGTCTGTGCAGATTCTTCGGGATTGGCTGTATGAGCACCGTTACAATGCCTATCCTTCAGAGCAA
GAAAAAGCGTTGCTGTCCAGCAAACACACCTGTCTACGCTACAGGTCTGTAAGTGGTTCATCAACGCC
CGCCGAGGCTCCTCCCTGACATGCTGAGAAAGGATGGCAAAGATCCAAATCAGTTCACAATTTCCCGC
CGTGGGGCAAGATTTCTGAAACGAGCTCTGTGGAGTCCGTGATGGGCATCAAAAATTCATGCCAGCT
CTAGAGGAGACCCATTTTCATTCTGTACAGCTGGGCCAAACCAACCTAGGGAGGCCACTGTCTCCT
AAGCCGTCATCCCGGGATCAGTTTGGCTCGTCCATCAGTGATCTGCCATACCACTGTGACTGCATTG
AAAGATGTCCCTTCTCTCTCTGCCAGTCGGTCCGTGTGGGACAAAACACAGATATACAGCAGATAGCG
GCCAAAACTTCACAGACACCTCTCTCATGTACCCAGAGGACACTTGTAATCTGGACCAAGTACGAAT
ACACAGAGTGGTCTTTTCAACACTCCTCCCCCTACTCCACCGGACCTCAACCAGGACTTCAGTGGATTT
CAGTTCTAGTGGATGTTGCACTCAAACGGGCTGCAGAGATGGAGCTTCAGGCAAACTTACAGCT
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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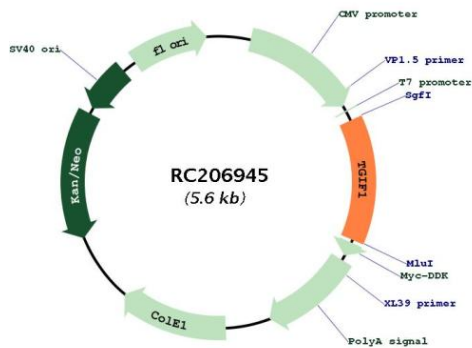
Protein Sequence: >Peptide sequence encoded by RC206945
Blue=ORF Red=Cloning site Green=Tag(s)

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MDIPLDLSSSAGSGKRRRRGNLPKESVQILRDWLYEHRYNAYPSEQEKALLSQQTHLSTLQVCNWFINA
RRRLLPDMLRKDGKDPNQFTISRRAKISSETSSVESVMGIKNFMPALEETPFHSCTAGPNPTLGRPLSP
KPSSPGSVLARPSVICHTTVTALKDVPFSLCQSVGVGQNTDIQQIAAKNFTDTSMLYPEDTCKSGPSTN
TQSGLFNTPPPTPPDLNQDFSGFQLLVVAKKRAAEMELQAKLTA
TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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UniProt ID:	<u>Q15583</u>
Cytogenetics:	18p11.31
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Stem cell relevant signaling - TGFb/BMP signaling pathway, Transcription Factors
MW:	27.7 kDa
Gene 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]

Product images:



Circular map for RC206945