

Product datasheet for **RC224328**

TIF1 gamma (TRIM33) (NM_033020) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TIF1 gamma (TRIM33) (NM_033020) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TIF1 gamma
Synonyms: ECTO; PTC7; RFG7; TF1G; TIF1G; TIF1GAMMA; TIFGAMMA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC224328 representing NM_033020
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGAAAACAAGGCGGGCGAGGCTGAGAGCGGGCGGGGCGAGCGGCAGCGCCGGTAACTG
 CCGGGGCCCGGGCCCGCGCAGGAGGCGGAGCCGCTCTCACCGCGGTGCTGGTGGAGGAGGAGGA
 GGAGGAAGGCGGCAGGGCCGGCGCTGAGGGCGGGCGGGCCGACGACGGGGGGTGGCCCGGCC
 TCCTCGGGCTCGGCCAGGCTGCTTCATCTCCTCGGCCCTCAGTGGGACTGGAGTTGCCGGGGCGCAG
 TATCGACGCCGGTCCAGCTCCAGCTCGGCTCCGCTCCGGTCCCTCGGCAGGGCCGCTCCTGGACC
 GCCAGCTCGCTCCTGGACACCTGCGCCGTGTGTGAGCAGAGCTTGCAGAGCCGGCGTGAGCGGAGCCC
 AAGCTGCTGCCCTGTCTTCACTCCTTGCCTGCGCTGCCTGCCGAGCCGGAGCGCCAGCTCAGCGTGC
 CCATCCCGGGGGGAGCAACGGCGACATCCAGCAAGTTGGTGTAAACGGTGCCAGTATGCCGCCAAGA
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 GAGAGTGGCTATGTAAGACATGTATCGAAGCACATCAAAGAGTAAATTTACTAAAGTCACTTGATCAG
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GTAGTTGGGCAAGTTCCTCCAGGGACAAACCACATTAGTAAAACCCCTGGACAGATTAACCTAGCACAGC
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GCAACCACCAGCACCTGTACCACTACAACAACAACAACAACAGCATCCTAGACAAGCAGCCCCCTCAG
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AAAACGCCTAAAGTCAGATGAGAGACCAGTACATATAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224328 representing NM_033020
Red=Cloning site Green=Tags(s)

MAENKGGGEAESGGGSGSAPVTAAGAAGPAAQEAEPPLTAVLVEEEEEEGGRAGAEGGAAGPDDGGVAAA
SSGSAQAASSPAASVGTGAVGAVSTPAPAPASAPAPGPSAGPPPGPPASLLDTCVACQQLQRREAEP
KLLPCLHSFCLRCLPEPERQLSVPIPGGSNGDIQQVGVIRCPVCRQECRQIDLVDNYFVKDTSEAPSSSD
EKSEQVCTSCEDNASAVGFCVECEWELCKTCIEAHQRVKFTKDHLIRKKEDVSESVGASGQRPVFCPVHK
QEQLKLFCECTDRLTCRDCQLLEHKEHRYQFLEEAFQNKGA IENLLAKLLEKKNYVHFAATQVQNRKE
VNETNKRVEQEIKVAIFTLINENKKGKSLQLLENTKERQMKLLQQQNDITGLSRQVQKVMNFTNWA
ASGSSTALLYSKRLITFQLRHILKARCDPVAANGAIRFHCDPTFWAKNVVNLGNLVIESKPAPGYTPNV
VVGQVPPGTNHIKTPGQINLAQLRLQHMQQVYAQKHQQLQQMRMQPPAPVPTTTTTTQQHPRQAAPQ
MLQQQPPRLISVQTMQRGNMNCGAFQAHQMRLAQAARIPGIPRHSGPQYSMMQPHLQRQHSNPGHAGPF
PVVSVHNTTINPTSPTTATMANANRGPTSPSVTAIELIPSVTNPENLPSLPDIPPIQLEDAGSSSLDNL
SRYISGSHLPPQPTSTMNPSPGPSALSPGSSGLSNSHTPVRPPSTSTGSRGSCGSSGRTAEKTSLSFKS
DQVKVKQEPGTEDEICSFSGGVKQEKTEDGRRSACMLSSPESSLTPPLSTNLHLESELDALASLENHVKT
EPADMNESCKQSLSSLVNGKSPIRSLMHSARIGGDGNNKDDDPNEDWCAVCQNGDDLCEKCPKVFH
LTCHVPTLLSFPDGDWICTFCRDIGKPEVEYDCDNLQHSKKGKTAQGLSPVDQRKCEKLLLYLCHESL
EFQEPVPASIPNYKIIKKPMDLSTVKKKLQKKHSQHYQIPDDFVADVRLIFKNCERFNEADSEVAQAGK
AVALYFEDKLEIYSDRTFAPLPEFEQEEDDGEVTEDESDEDFIQPRRRLKSDERPVIK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033020

ORF Size: 3330 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_033020.1](#), [NP_148980.1](#)

RefSeq Size: 3458 bp

RefSeq ORF: 3333 bp

Locus ID: 51592

UniProt ID: [Q9UPN9](#)

Cytogenetics: 1p13.2

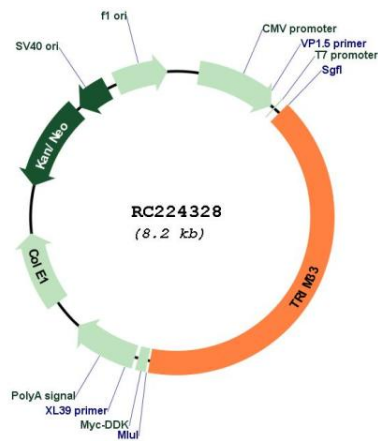
Domains: zf-B_box, BROMO, RING, PHD, BBC

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transcription Factors

MW: 120.4 kDa

Gene Summary: The protein encoded by this gene is thought to be a transcriptional corepressor. However, molecules that interact with this protein have not yet been identified. The protein is a member of the tripartite motif family. This motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. Three alternatively spliced transcript variants for this gene have been described, however, the full-length nature of one variant has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC224328