

Product datasheet for **SC100272**

TIGD1 (NM_145702) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIGD1 (NM_145702) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIGD1
Synonyms:	EEYORE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_145702, the custom clone sequence may differ by one or more nucleotides

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ATGGCCTCTAAGTGCTCAAGTGAAGGAAAGAGTGCACATCTCTCACTTTAAATCAAAAAGTAAAGTGA
TTAAACTGAGTGAGGAAGGTATGTCAAAGCCGAGATAGGCCGAAGGCTAGGCCTCTCGGCAAAACAGT
TAGCCAAGTTGTAATGCAAAGGAAAAGTTCTTGAAGGAAGTTAAAAGTGTCTACTCCAATGAACACACGA
ATGATAAGAAAGCGAAACAGCCTTATTGCTGATATGGAGAAAGTTTTAGTGGTCTGGATAGAAGATCAGA
CCAGCCGCAACATTCCCTTAAGCCAAAGCCTAATCCAGAACAAAGCCCTAACTCTCTTCAACTCTATGAA
AGCTGAGAGAGGTGTGGAAGCTGCAAGAAGAAAAGTTTGAAGCTAGCAGAGGTTGGTTCATGAGGTTAAG
GAAAGAAGCCATTTCCATAACATAAAAGCACAAGGTGAAGCAGCAAGTGTGATGTAGAAGCTGCAGCAA
GTTATCCAGAAGCTTTAGCTAAGATCATTGACGAAGGTGGCTACACTAAACAACAGATTTTCAATGTAGA
TGAAACAGCCTTCTATTGGAAGAAGATGCCATCTAGAACTTTATAGCTAGAGAGGAGAAGTCAGTGCCT
GGCTTCAAAGCTTCAAAGGACAGGCTGACTCTCTTGTAGGGGCTAATGCAGCTGGTGACTTTAAGTTGA
AGCCAATGCTTATTTACCATTCTGAAAATCCTAGGGCCCTAAGAATTATACTAAATCTACTCTACCCGT
GCTATATAAAATGGAACAGCAAAGCCCGGATGACAGCACATCTGTTTACAGCATGGTTTACTGAATATTTT
AAACCCACTGTTGAGACCTACTGCTCAGAAAAGAAGATTCCTTTCAAATATTACTGCTCATTGACAATG
CCCCTAGTCATCCAAGAGCTCTGATGGAGATATACGAGGAGATTAATGTTATTTTCATGCCTGCTAACAC
AACATCCATTCTGCAGCCCATGGATCAAGGGGTAAATTCGACCTCAAGTCTTATTTTGAAGAAATACA
TTTCATAAGGCTCTAGCTGCCATGGATAGTGATGTCTCTGATGGATCTGGGCAAAGCAAATGAAAACCT
TCTGGAAGGATTCACCATTTTAGATGCCATTAACAACTTCGTGATTGATGGGAGGAGGTCAAATGTGC
AACATTAACAGGAGTTTGAAGAAGTTGATCCACCCCTATTGATGACTATGAGGGTTCAAGACTTCA
GTGGAGGAAGTAAGTGCAGATGTGGTGGAAATAGCAAAAGAACTAGAATTAGAAGTAGAGCTGAAGATG
TAACTGAATTGCTGCAATCTCATGATAAACTTTAACAGATGAGGAGTTGTTTCTTATGGATGCGCAAAG
AAAGTGGTTTCTGAGATGGAATCTACACCTGGTGAAGATGCTGTGAACATTGTTGAAATGACAACAAAG
GATTTAGAATATTACATAAACTTAGTTGATAAAGCAGCAGCAGGGTTTGAAGGATTGACTCCAATTTTG
AAAGAAGCTCTACTGTGGCAAATGCTATCAAACAGCATCGCATGCTACAGAGAAATCTTTCATGAAAG
GAAGAGTCAACTCATGCGAAAAGCTTACCAGTGTCTTATTTTAGGAAATGCCACAGCCACCCCAACT
TCAGCAGCCACCCTGACCAGTCAGCAACCATCAACCTCGAGGCAAGACCCCTCCACCAGCAAAAAGAG
TACGACTACCGAAGGCTCAGATTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_145702 unedited

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TGTATACGACTACTATAGGCGGCACGCGAATTCGCACGAGGGCCCGCTCTCCTAAGGAGC
GTGTCTGGCCCCCTCCCGCAGCGGCTCGGAAAAAGCAGCACC CGTCGTTGACGGCGC
GGGCTCTGGACTCGCTGCTTGGTAAAAACCTTCTCTTCCAGTGCGGGACGCACTCT
CTGGTATCTCTTTGACCTCCCGGAGGCTTCTTTGTCGGTTCGCGGCGCCACTGTACTA
TGGCATACCTCGTTTTATTACGCTTCGCAGATAGGGCATTCTGAAAACAATGGAGGGTT
TGTGGCAGCCCTGAGTCCAGCAATTGTATCAGCGCCATTTTCCAACAGCATGTGCTCAC
TTGGTGTCTGTGTACATTTTGGTAATTCTCAAAATATTTAAAATTTTTTCATGATTT
CTGTGTCTGTTATGGTATCTATGATCAGTGATCTTTGATGTTGCTATTGTATTGTTTT
GGGGTGCCACATACAGCGTCTTTTATAAGACGTGGAACCTAATGTTGTGTGTGTTCTGAC
CGCTCCACCACAGACCGTTCCCATCTCTCTCCCTCTTCTGGGCTCCCTATTCCCTG
AGACACAACAATATTGAGATTAGGCGAATTAATGACTCTGCAATGGCCTTAAGTGCTCA
AGTGAAAGGAAGAGTCGCACATCTCTCACTNTAAAATCAAAAAGTAAATGATTAAGTGA
AGTGAGGAAGGTATGTCAAAGCCGAGATAGGCCGAATGCTANGCTNCTGCGGTNAAAC
AGTAGCCAAAGTGTAAATGCNAAGGNAAGTTCTGAAGGAGTTNAAAGTGTACTCCCAT
GACACACGAATGATAGAAAGCGAACAGCCTTTATGCTGAATGGAGAAAGTTTAGTGGTCT
GGATAGAAGACAGACCACCGCACT
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_145702 unedited CACTGTGTACGAAGACGCAATCNGAGGTTCAAGTTATATCTTTTTTTTTTTTTAAATTT AAAATTTCTTTATTGCTAAAAATGCTGATTATCAATCTGAGCCTTCGGTGAGTCGACT CTTTTTGTGGTGGAGGGTCTTGCCCTCGAGGTTGATGGTTGCTGACTGGTCACGGTGGTG GCTGCTGAAGGTTGGGGTGGCTGTGGCAATTTTCATAATTAATCGGTGAAGCTTTTCG CATGAGTTGACTCTTCCTTTCTTGAAAGATTTCTCTGTAGCATGCACATGCTGTTTGATA GCATTTTGCACAGTAGAGCTTCTTTCAAATTTGGAGTCAATCCTCTCAAACCTGCTG CTGCTTTATCAACTAAGTTTATGTAATATTCTAAATCCTTTGTTGCCATTTCAACAATGT TCACAGCATCTTACCATGTGTAGATTCCATCTCAAGAAACCACTTTCTTTGCGCATCCG TAAGAAACAACCTCATCTGTTAAAGTTTATCATGAGATTGCAGCAATTCAGTTACAT CTTCCAGGCTCTACCTCTAATTCTAGTTCTTTTGCTATTTCCACCACATCTGCACTTACTT CCTCCACTGCAGTCTTGAACCCCTCATAGTCATCAATGATGGTGGGAATCAACTTCTTGC AAACCTCTGTTAATGTTGACAATTTGACCTCTCCCATGAATCACGAATGTTCTTAATGG CATCTAAATGGTGAATCCTACTCAGGATGTTTCGCATTTGCTTTGCCATTGCATCGAAT CATCACTATCATGGCGTAGGACCTATAAATGTATTTCTCAATCATAGCACTGAAAGTCA AAATTCCTTGTATCCATGGCTGCCACATGGAGTTGTTTCCAGGCATGGAATACTTTA ACTCCTCGAAATCTCCTCAAACCTGAATGN
Restriction Sites:	NotI-NotI
ACCN:	NM_145702
Insert Size:	2500 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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_145702.1 , NP_663748.1
RefSeq Size:	2448 bp
RefSeq ORF:	1776 bp
Locus ID:	200765
UniProt ID:	Q96MW7
Cytogenetics:	2q37.1
Domains:	DDE, CENPB, CENP-B_N
Protein Families:	Transcription Factors

Gene Summary:

The protein encoded by this gene belongs to the tigger subfamily of the pogo superfamily of DNA-mediated transposons in humans. These proteins are related to DNA transposons found in fungi and nematodes, and more distantly to the Tc1 and mariner transposases. They are also very similar to the major mammalian centromere protein B. The exact function of this gene is not known. [provided by RefSeq, Jul 2008]