

Product datasheet for **SC101518**

TIGD1 (AK022026) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIGD1 (AK022026) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIGD1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for AK022026, the custom clone sequence may differ by one or more nucleotides

```
AGCAATAAAACAAGTCATATGAATGTTTTGGTTTCCCAGTGCATATAAAGTTTTGTTTACACTATACTGT
AGTCTATTTGGTGCAATGGCATTATGTCTAAAAACAATGTAATAACCTTAATTAAAAAAACTATATTG
CTAAAAGATGCTACCAATCATCGCTGAGCCTTCAGTGAGTAGTAATCTTTATGCTGGCAGAGGGCCTTG
CTTGATGTTGATAGCTGCTGACTGATCAGAATGTGTTTGGTGAAGCTTGGGCTGGCTGCAGCAATTTGT
AAGACAACAATGAAGTTTGCCTCCTTGATGGATTCTTCTTTCCAGAAAGATTTCTCCATAGCATGCCAT
GCTGTTTGATAGGGTTTTACCCACAGTAAATCTTCTTTCAAATGGAGTTGATCCTCTCGAATCCTGCT
GCTGCCTTATCAACAAAGTTTATAGAATTTTCTAAACCTTTGTTGTCATTTCAACAAATTTTCAACA
TCTTCGCCAGGAGTAGATTCCAGGTCAAGAAACCACTTTCTTTATTTAACCATAAGAAGCAACTGCTCAT
TCATTGAAGTTTTATCATGAGACTGCAGCAAGTCAGGCACATCTTGAGGCTCCACTTATTCTAATTCTCT
TGCTGTTGCTACCATATCTGCAGTACTTCTTCTCTGAAGTCTTGAACCCCTCAAAGTTATTCTGAGG
GTTAAAATCAACTTCTTCAAACCTTCTGTTAATGTTGCTATTTTTACTTCTCCCATGAATCATACTATT
ATTATTATTATTTTTCTTTTTTTGAGACAGAGCTTGCTCTGTTTCCCTGGCTGGAGTGCAGTGCAT
GCTTATGGCTTACTGCAGCCTCAACTGGGCCAAGTGATCCTTGAAGTAGCTGGGTCTACACCTGAGTT
TTTTTTAAAAAATTTTTATAGAGATGGAGTCTCCCTATATTGCCAGGCTGGTCTCAAACCTTCTGGGCT
CAAGGGATCCACCTGCCTTGGCCTCCCAAAGAAGTGAATACAGACATGAGCCACTGTTCTGGCCACA
AATGTTCCATAATGACATCTAGCATGGTGAATATTTCCAGAAGTTTTTAATTTACTTTGCCAAGGTCCA
TCAGAAGAATCACTATCCATGGCAGCTATAGCCTTACCAAATATATTTCTTATGAACTTGAAGTCAAA
ATTACTTATTGATCCATGGGCTGCTGAATGGTGGCTGTGTCAGCAGGCATGAAAACAACATTCTATCTCT
TGTACATCCCCATCAGAGTTCTGAGGTAACTTGTCAATGAGGAGTAATTTCAAAGGATTTTTTTTTTC
TGGGCAGTAGGTCTCAAGAGTGGACTTAAAATACTCACCAAACCATGCTGAAAACAGATATGCTATCATT
TAAGCTTCTTGTTCATTTCTAGATGAAGGGCAGTAGGATTTTGGAAATGGTCAGTGACCATTGGCTTC
AACTTGAAGTTACCAGTGGCATTAGCTCCTAACAGGGAGTCAGCCTGCCCTTTGAAGCTTTAAAGCCGG
GCATTGACTTTTGCTCTAGCTATCAAATCCCTGTATGGCTTCTTCAAACAGAAAGCTGATTTGTATAC
ACTGAAAATCCATACACTGTTTAGTGACTTCTTAATGATCTCAGCTAGATCCTTTGAATATCTTGCTGT
AACTTCTGCTTGCCTTTTTATGCTATAGAGATGGCTTTTTTCCCCTTAAACCTCATGAACCAACCTCTGC
TAATTTCCCACTTTTCTTTTGCAGCTCCCTCACCTCTCTCAGCTCGCAAAGAATTGAAGAGAGTTAGGGC
CTTGCTCTGGGTTAGGCTTTGGCTCAAGAGCATGTTATGGCTGGTTAATCACTCAAACCTTACTCCATAT
CAACAGTAAGACTTTTGTCTTACCATTATGTTGTTCACTGGAGGAGCAATTTAATTTTCTTTGAAA
ACTTTTCTTTTGCAATTTACAACCTGGCTGTTTGGTGAAGAGGCCAGTTTTTGGCCATTTTGGCTTTC
TACATGCCTTCTCACTAGGCTTAATCATTCTGGCTTTTGATTTAATGTAAGAGACATGCAACTCTTTC
TTTCAAACCTTGAACACTTAAAGCCCATTTGATAGGTTATTAATTTGGCCTAATTTTCAAGTAGTATTATGCTC
AGGGAATAGGGAGTCCCCGAGAGAGATGGAAGAATGGCTGGTTGGTGGAACAGTTTCAACATTTTATGGA
TGCAGTTTGCCATCTGATATGGGCCCAATATAATTATAATAGTAACATCAAAGATCCCGGTCACAAGTC
ACTATAACAAATATAATAATAGTAAAAAGCTTGAAGTATTTGAGCATTATCAATATGTGACACAGATA
AATGAAGTGTGTACATACTATTGAAAAAATTGTCCGATAGACTTGTGGATGCAGGGTTACCACAAACC
TTCAATTTGC
```

5' Read Nucleotide Sequence:	>OriGene 5' read for AK022026 unedited TCAGAATTTTGTAAACGACTCACTATAGGGCGGCCCGCAATTCGCACGAGGGTCTACA CCTGACTTTTTTTTTAAAAAATTTTTATAGAGATGGAGTCTCCCTATATTGCCAGGCTG GTCTCAAACCTTCTGGGCTCAAGGGATCCACCTGCCTTGGCCTCCCGAAGATCTGAGATTA CAGACATGAGCCACTGTTCTGGCCACAAATGTTCTAATGACATCTAGCATGGTGAATT ATTTCCAGAAGGTTTTTAATTTACTTTGCCAAGGTCCATCAGAAGAATCACTATCCATGG CAGCTATAGCCTTACCAAATATATTTCTTATGAACTTGAAAGTCAAAATTACTTATTGA TCCATGGGCTGCTGAATGGTGGCTGTGTGACGAGCAGGAAAACAACATTCATCTCCTTG TACATCCCATCAGAGTTCTGAGGTAACATTGTCAATGAGGAGTAATATTTCAAAGGATT TTTTTTCTGGGCAGTAGGTCTCAAGAGTGGACTTAAAATACTCACCAAACCATGCTGAA AACAGATATGCTATCATTTAAGCTTTCTTGTTCATTTCTAGATGAAGGGCAGTAGGATT TTGAAATGGTCAGTGACCATTGGCTTCAACTTGAAGTACCAGTGGCATTAGCTCTAA CAAGGGAGTCAGCCTGCCCTTTGAAGCTTTAAAGCCGGGCATTGACTNNTGCTCTAGC TATCAAATCCCTGTATGGCTTCTTCCAACAGAAAGCTGATTTGTATACACTGAANATCCA TACTGNTTAGTGACTTCCTTAATGATCTCAGCTAGATCCTTTGAATATCNTGCTGTA ACTTTCTGCTTACGTTTTATGCTTTAGAAGAGGNNCTTTTTCCCTTNAAACTCATGAAC CAACCTCTGCTAATTTCCCACTTTTNTTTGACGCTCCTCACTCTCTCAGCTCGCAAGA AAATGAGAAAAGTANGCCTTGCTTTGGGT
3' Read Nucleotide Sequence:	>OriGene 3' read for AK022026 unedited ATTCGGGGTTTGGGCTACCTCTGCTNCCANCAAGTCTATCGGCACAATTTTTCCAATAG TATGTACACACTTCATTTATCTGTGTACATATTGATAATGCTCAAAATACTTCAAGCTT TTTCATTATTATATTATTTGTTATAGTGACTTGTGACCGGATCTTTGATGTTACTATTA TAATTATATTGGGGCCATATCAGATGGCAAACGTATCCATAAATGTTGTGAACTGTTT CACCAACCAGCCATTCTCCATCTCTCTTGGGGACTCCCTATTCCTGAGACATAATA CTACTGAAATTAGGCCAATTAATAACTCTACAATGGGCTTTAAGTGTCAAGTTTGAAAG AAAGAGTTGCATGTCTCTTACATTAATCAAAAGCCAGAAATGATTAAGCCTAGTGAGGA AGGCATGTAGAAAAGCCAAAATGGGCCAAAACCTGGGCTCTTGCACCAACAGCCAAAGTT GTAATGCAAAAAGAAAAGTTTTCAAAGAAAATTAATAATGCTCCTCCAGTGAACACATGA ATGGTAAGAAAACAAAAGTCTTACTGTTGATATGGAGAAAAGTTGAGTGATTAACCCAGC CATAACATGCTCTTGAAGCCAAAGCTTAACCCAGAGCAAGGCCCTAACTCTTCAATTCT TTGCGAGCTGAGAGAGGTGAGGGAGCTGCANAAGAAAAGTGGGAAATTAGCAGAGTTGG TTCATGAGGTTTAAAGGGAAAAAGCCATCTCTATAGCATAAAAAACGTAAGCAGAGTTAC AGGCAGATATTCAAAGATCTAGCTGAGATCATTAAAGGAAGTCACTAAACAGTGTATGGAT TTTCAGTGTATACAAATCAGCTTCTGTTGGAAGAAGCCTACAGGGATTTGATGCTAGAG AGCAAAATTCATGCCCGCCTTTAAGCCTTCAAGGG
Restriction Sites:	NotI-NotI
ACCN:	AK022026
Insert Size:	1750 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:

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: [AK022026.1](#)

RefSeq Size: 2460 bp

RefSeq ORF: 2460 bp

Locus ID: 200765

Cytogenetics: 2q37.1

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]