

Product datasheet for **SC111554**

TIGD3 (NM_145719) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIGD3 (NM_145719) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIGD3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145719, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCTGAGCAGCAAGAAGAAGCTTCACGCCCTGTCCCTGGCCGAGAAGATCCAGGTGCTGGAAGCTCC
TGGATGAGTCCAAGATGTCCCAGTCGGAGGTGGCCCGCGCTTCCAGGTTTCCCAGCCCCAGATCTCGCG
CATCTGCAAGAATAAGGAGAAGCTGCTGGCGGACTGGTGCAGCGGCACAGCCAACCGAGAGCGCAAGCGC
AAGCGGGAGTCCAAGTACAGCGGGATCGACGAGGCTCTGCTCTGCTGGTACCACATTGCCCGGGCCAAGG
CCTGGGACGTGACGGGGCCCATGCTGCTCCACAAAGCCAAGGAGCTGGCCGATATCATGGCCAGGACTT
CGTGCCCAGCATCGGCTGGTCCGCTGGAACGCCGAAACAACGTCGGCTTTGGGGCCCGCCATGTT
CTTGCGCCTTCATCCCCCTGAGCCACTCCCCGGGGCTCACATCCCAGGCTCAGCTGCCTCTTTCCC
TAAAAGACTTCTCTCCAGAGGACGTGTTTGGCTGTGCTGAATTGCCCTTGCTGTATCGGGCAGTGCCCGG
CAGCTTTGGTGCATGTGATCAAGTACAGGTGCTGCTGTGTGCCAACAGCAGGGGCACCGAGAAGCGGCGG
GTAAGTGTGGGTGGGCTCCAGGCTGCCCGAGATGCTTCTTTGGGATCCGCAGTGAGGCTCTGCCTGCCT
CCTACCACCCGGACCTGGGCATCCCCTGGTTAGAGTGGTTGGCACAGTTTGACCGGGACATGGGACAGCA
GGGCCGACAGGTGGCTTTGCTGCTGGCTGCCCGAGTGGTGGAGGAGCTGGCAGGCCTGCCTGGGCTAC
CACGTGAAGCTCTGCCTCTGGCCGCTCTAGCACACGCCTCCCCTGCCAGCTCAGTGGTCCGGGCT
TTAAGGCCATTACCGACACCGGCTGTTGGGCAAAGTGGCTGCCATCAAAGCGAGAGGGATGGCACCTC
GCTGGCCGAGGCCGGGCAGGCATCACCGTGTGGACGCCCTGCACGTGGCGTCTGCCGCTGGGCAAG
GTGCTCCTCAGCTCATTTTCAGCAGCTTCATTCAAGAAGGGCTGGCTCCCGGCAAAACGCCCCCTCCT
CGCAGAAAACCTCTGAGATGCCACAGTCCCCGGCGGGCTGAGCCTGGAGGAGTTTTCCCGCTTTGTGGA
CCTGGAGGGTGGAGAGCAAGGTCTGGAGTATGTAAGGAGGAGATAGGCACTGAAGACGAGAAGGGGGAC
AGAGAGGGTGCCTTTGAGCCCCTGCCACCAAAGCTGATGCCCTCCGGGCCCTGGGCACCTTGAGGAGGT
GGTTTGAATGCAACAGCACTTCTCTGAGCTATTGAAAAATTCTACGACTGTGAGGAGGAGGTGGAGCG
GCTTTGCTGCCTATGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_145719 unedited CATTATGTAATCCGACTTCACTATANNNGCGGCCGCGCAATTCGGCAGAGGCCGGCGCG GGCGGGCGGCACGGGACTCTGCTGTGCGCGCGCCCGCCCGCCCGCTCCGCGCAGGCC TCGGTCCGCTCTGCCCTCGGGTCTGTGGCGCCATCCCTCCCCTGTTCTGCTGTCCGGC CCGGACAGGGGCTCGGGAGCCGGGCTGGGGCATGGGCTGGAGCCGCGGGACCAGCGCT GAGGTGCCCGGAGAGGCCATGGAGCTGAGCAGCAAGAAGAAGCTTACGCCCTGTCCCT GGCCGAGAAGATCCAGGTGCTGGAACCTCTGGATGAGTCCAAGATGTCCAGTCCGAGGT GGCCCGCGCTTCCAGGTTTCCAGCCAGATCTCGCGCATCTGCAAGAATAAGGAGAA GCTGCTGGCGGACTGGTGCAGCGCACAGCCAACCGAGAGCGCAAGCGCAAGCGGGAGTC CAAGTACAGCGGGATCGACGAGGCTCTGCTCTGCTGGTACCACATTGCCCGGGCCAAAGC CTGGGACGTGACGGGGCCATGCTGCTCCACAAAGCCAAGGAGCTGGCCGATATCATGGG CCAGGACTTCGTGCCAGCATCGGCTGGTGGTCCGCTGGAAACGCCGAAACAACGTCGG CTTTGGGCGCCCATGTTCTTGCCTTTCATCCCCCTGAGCCACCTCCCCGGNGCT CACATCCCANGCTCAGCTGCCTTTCCCTAAAGACTTCTTTCANAGGACGTGTTTGGC TGTGCTGAATTGCCCTTGTGTATCGGGCAGTCCCGGCAGNCTTGGTGCATGTGATCAA GTACAGTCTGCTGTGTGCCACAGCAGGCCACCCAGAAGCGCGGGACTGCTGGGTGGCTC CAGCTGCCCGAGAGCTNTTTGGGATCCGCATGAGGTTTGTGCTTCTACACCCGACTNGC ATCCCTGTAAATGTTGACCAATGCCGGGC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_145719 unedited TATGGACGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTCTGATTA AAAACT TTATTTTTCAGAAGCAGAAGTGTTTTAAACAAAAGTTCAAGGAAGCAGTCTGTCCAAAAA GCCCAAATTCACCTTTTAAGTGGTGCCTCTAGACTAACTCCCTTTCAAAGGCTCTAG AACTTTCAAGCAGGGTCTAGAACTAAGCATCCTGGATTCTACCCCGAAGCCCATCT TTAGAGTCTCTTCCCTGGGTTTTGGACGACTGCCACTCCAAGCTCAGACTTGGTGTCCCA ACTTCTCTCCCTTCTACACCTTTACGACAGTTCTATTTCCACAGGAAAGAGACAGCCGA TCTGCCTTCTGAAGAGGCCGTTTTCCATGGGAAACAAGAGAGGAAGGGGCTCTGGCAAGCA GTGAAGGCGCCTTCATAGGCAGCAAAGCCGCTCCACCTCCTCACAGTCGTAGAAATTT TTCGAATAGCTCAGGAGAAGTGTGTTGCATTCAAACCACCTCCTCAAGGTGCCAGGGC CCGGAGGGCATCAGCTTTGGTGGCAGGGGCTCAAAGGCACCCTCTGTCCCCCTTCTC GTCTTCAGTGCCTATCTCCTCTACATACTCCAGACCTTGGCTCCTCACCTCCAGGTC CACAAAGCGGGAAAACCTCCTCAGGCTCAGCCCGCGGGGACTGGTGGCATCTCAGAGGT TTTGTGCGAGGACGGGGGCGTTTTGCCGGAGCCAGCCCTTCTTGAATGAAGCTGCTGAN AATGAGCTGAGGAGGCACCTTGGNCCAGGCGGCAGACGCCACGTGCAGGGCGTCCAGCAC GGTGATGCCTGCCCGGGCCTCGCCAGCGAGGTGCCATCCCTCTCGCTTTGGATGGCAGC CAGTTTGGCCACAGCCGTGTCNNGTATGGGCCTAAAAGCCGACACTGACTGGNCAGGGG AGCNTGTGCTANAGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_145719
Insert Size:	2100 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: [NM_145719.1](#), [NP_663771.1](#)

RefSeq Size: 1823 bp

RefSeq ORF: 1416 bp

Locus ID: 220359

UniProt ID: [Q6B0B8](#)

Cytogenetics: 11q13.1

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]