

## Product datasheet for **RG207323**

### **TIGD1 (NM\_145702) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TIGD1 (NM_145702) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TIGD1
Synonyms:	EEYORE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG207323 representing NM\_145702  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCTCTAAGTGCTCAAGTGAAGGAAGAGTGCACATCTCTCACTTTAAATCAAAAAGTAAAGTGA  
 TTAAGTCTGAGTGAAGGATATGTCAAAAGCCGAGATAGGCCGAAGGCTAGGCCTCTGCGCAACAGT  
 TAGCCAAGTTGTAATGCAAAGGAAAAGTTCTTGAAGGAAGTTAAAAGTCTACTCCAATGAACACACGA  
 ATGATAAGAAAGCGAAACAGCCTTATTGCTGATATGGAGAAAAGTTTGTAGTGGTCTGGATAGAAGATCAGA  
 CCAGCCGCAACATTCCCTTAAGCCAAAGCCTAATCCAGAACAAGCCCTAACTCTCTTCAACTCTATGAA  
 AGCTGAGAGAGGTGTGGAAGCTGCAGAAGAAAAGTTTGAAGCTAGCAGAGGTTGGTTCATGAGGTTAAG  
 GAAAGAAGCCATTTCCATAACATAAAAGCACAAAGTGAAGCAGCAAGTGTGATGTAGAAGCTGCAGCAA  
 GTTATCCAGAAGCTTTAGCTAAGATCATTGACGAAGGTGGCTACCTAAACAACAGATTTTCAATGTAGA  
 TGAACAGCCTTCTATTGGAAGAAGATGCCATCTAGAATTTTATAGCTAGAGAGGAGAAGTCAAGTCCCT  
 GGCTTCAAAGCTTCAAAGGACAGGCTGACTCTCTTGTAGGGGCTAATGCAGCTGGTACTTAAAGTTGA  
 AGCCAATGCTTATTTACCATTCTGAAAATCCTAGGGCCCTTAAAGATTATACTAAATCTACTCTACCCGT  
 GCTATATAAATGGAACAGCAAAGCCCGGATGACAGCACATCTGTTTACAGCATGGTTTACTGAATATTTT  
 AAACCCACTGTTGAGACCTACTGCTCAGAAAAGAAGATTCCTTTCAAATATTACTGCTCATTGGCAATG  
 CCCCTAGTCATCCAAGAGCTCTGATGGAGATATACGAGGAGATTAATGTTATTTTTCATGCCTGCTAACAC  
 AACATCCATTCTGCAGCCCATGGATCAAGGGTAATTTGACCTCAAGTCTTATTTTGGAAAATACA  
 TTTATAAGGCTCTAGCTGCCATGGATAGTGTCTCTGATGGATCTGGGCAAAGCAAATGAAAACCT  
 TCTGAAAAGGATTCACCATTTTATAGTGCATTAACAAATTCGTGATTCATGGGAGGAGGTCAAATGTC  
 AACATTAACAGGAGTTTGAAGAAGTTGATTCCACCCTCATTGATGACTATGAGGGGTTCAAGACTTCA  
 GTGGAGGAAGTAAGTGCAGATGTGGTGAATAGCAAAGAACTAGAATTAGAAGTAGAGCCTGAAGATG  
 TAACTGAATTGCTGCAATCTCATGATAAACTTTAACAGATGAGGAGTTGTTTCTTATGGATGCGCAAAG  
 AAAGTGGTTTCTGAGATGGAATCTACACCTGGTGAAGATGCTGTGAACATTGTTGAAATGACAACAAAG  
 GATTTAGAATATTACATAAACTTAGTTGATAAAGCAGCAGCAGGGTTTGGAGGATTGACTCCAATTTTG  
 AAAGAAGCTCTACTGTGGCAAATGCTATCAAACAGCATCGCATGCTACAGAGAATCTTTTATGAAAG  
 GAAGAGTCAACTCATGCGAAAAGCTTACCAGTGTCTTATTTAGGAAATGCCACAGCCACCCCAACCT  
 TCAGCAGCCACCCTGACCAGTCAGCAACCATCAACCTCGAGGCAAGACCTCCACCAGCAAAAAGAG  
 TACGACTACCGAAGGCTCAGAT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG207323 representing NM\_145702  
 Red=Cloning site Green=Tags(s)

MASKCSSERKSRTSLTLNQKLEMIKLEEGMSKAEIGRRLGLLRQTVSQVVNAKEKFLKEVKSATPMNTR  
 MIRKRNSLIADMEKVLVWVIEDQTSRNIPLSQSLIQNKALTLFNSMKAERGVEAAEEKFEASRGWFMRFK  
 ERSHFHNKAQGEAASADVEAAAYPEALAKIIDEGGYTKQQIFNVDEAFYWKMPSTRFIAREEKSVF  
 GFKASKDRLTLLLGANAAGDFLKPMLIYHSENPRALKSYTKSTLPVLKWNKARMTAHLFTAWFTEYF  
 KPTVETCYSEKKIPFKILLIIGNAPSHPRALMEIYEEINVIIMPANTTILQPMQDQVISTFKSYLRNT  
 FHKALAAMDSDVSDGSGQSKLKTFWKGFILDAIKNIRDSWEEVKLSTLTVGWKKLIPTLIDDYEGFKTS  
 VEEVSADVVEIAKELLEVPEPDTLLQSHDKTLTDEELFLMDAQRKWFLEMESTPGEDAVNIVEMTTK  
 DLEYYINLVDKAAAGFERIDSNFERSSTVGKMLSNSIACYREIFHERKSQMLMRKASPMYSFRKLPQPPQP  
 SAATTLTSQPSTSRQDPPPAKRVRLETS

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_145702

**ORF Size:** 1773 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_145702.1](#), [NP\\_663748.1](#)

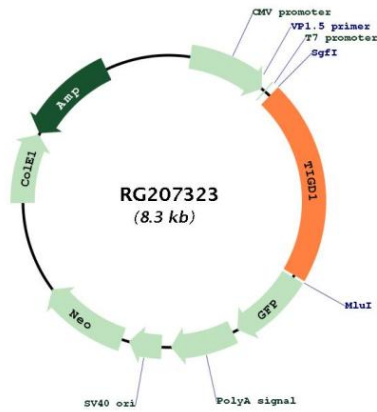
**RefSeq Size:** 2448 bp

**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]

**Product images:**



Circular map for RG207323