

Product datasheet for **RG215809**

TIGD6 (NM_030953) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TIGD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG215809 representing NM_030953
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAAAACAGGGGAACAAGAAGCGTCGGCAGTTCTCTCTGGAGGAGAAAATGAAAGTTGTGGGAGCTG
 TAGACTCAGGCAAGAGGAAAGGTGATGTGGCAAAAGAAATTTGGTATCACTCCCTCTACTTTATCTACATT
 CTTAAAGGATCGCACCAAAATTTGAAGAAAAGGTGCGGGAGGCATCCGTGGGACCCAGCGGAAAAGGATG
 AGGAGCGCTCTTTATGATGACATTGATAAGGCTGTTTTGCTTGGTTTCAAGAAATCCATGCCAAAACA
 TTCTTGTGACTGGTCTGTCTTCGGAAGCACTAACTTGGCCAACATGCTTGGCTATGACAATTT
 TCAAGCAAGTGTGGGCTGGCTGAACAGATTTAGAGATCGCCACGGAATTGCTTTGAAAGCAGTCTGTAGA
 GAAGATAGTGACAGGTTAATGAATGGTCTAGGAATAGATAAGATTAATGAGTGGCATGCAGGGGAAATTA
 TAAACTGATTGCTGACTACAGCCAGATGATATCTTAAATGCTGATGAGACAGGAGTGTTCAGTT
 GCTTCCCCAGCACACACTTGTGCTAAAGGAGACCAGTGTAGAGGGGCAAGAAAGCAAAGCAGCGGTTG
 ACAGCACTCTTTTGTGAATGCCTCGGGGACTGAAAAATGAGACCATTGATTGTTGGTAGGTACGCCA
 GCCCACTGCCTCAAGAACATTTCCTCCCTCCCTTGTGATTACCGAGCCAACCAAGTGGGCTTGGATGAC
 AAGGGATCTGTTTAAAGTGGCTGATGCAAGTGGATGCCAGGATGAAGAGGGCGGAACGCCGGATCCTC
 TTGCTCATAGACAAGTCTGCTCATAACATGCTTCCACACTTGGAAAGGATTGAGTTGGGTATCTGC
 CCTCCAAGTGTACTGCTGCTGCAGCCACTGAATCTTGGCATAATTCACACCATGAAAGTACTGTACCG
 GAGCCACCTTCTAAACAGATCCTCCTCAAGCTCAACAGCAGTGAAGATCAAGAAGAGGTGGACATCAAG
 CAGGCCATCGACATGATTGCTGCAGCGTGGTGGTCAAGCCATCCACAGTGGTGAATGTTGGCAGA
 AGGCAGGCATCGTCCCTATGGAATTTGAGAATGTGACACAGAATCAGCAGCCAGTGAACAGACATTGC
 CATTGAAAAGTTGTGGCACACAGTGGCTATTGCCACCTGTGTCCCAATGAAGTAAATTTCCAGGACTTT
 GTTACTGCAGATGATGATCTCATTATCTCTCAGGACACAGACATCATCCAGGACATGGTGGCTGGCGAAA
 ATACCAGTGAAGCAGGAAGTGAAGATGAAGGGGAGGTATCTTACCAGAGCAACCAAAAGTCAACATCAC
 AGAAGCCATATCAAGTGTACAGAACTTAGACAGTTCCTTTCCACTTGTGTAGACATTCTGATGCCATT
 TTTGGACAATTAAATGGCATAGATGAATATTTAATGAAAAGAGTGACACAAACCCTTATTGATTCCAAAA
 TTACAGATTTCCTCCAACAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215809 representing NM_030953
 Red=Cloning site Green=Tags(s)

MANKGNKKRRQFSLEEKMKVVGAVDSGKRKGDVAKEFGITPSTLSTFLKDRTKFEEKVREASVGPQRKRM
 RSALYDDIDKAVFAWFQEIHAKNILVTGSVIRKKALNLANMLGYDNFQASVGLNRFDRHGIKAVCR
 EDSRDLMNGLGIDKINEWHAGEIIKLIADYSPDDIFNADETGVFFQLLPQHTLAAGGDHCRGKKKAKQRL
 TALFCCNASGTEKMRPLIVGRSASPHCLKNIHSLPCDYRANQWAMTRDLFNEWLMQVDARMKRAERRIL
 LLIDNCSAHNMLPHLERIQVGYLPSNCTAVLQPLNLGIHTMKVLYRSHLLKQILLKLNSSDQEEVDIK
 QAIDMIAAAWWSVKPSTVVKWCQKAGIVPMEFAECDTESAASEPDIAIEKLWHTVAIATCVPNEVNFQDF
 VTADDDLIIISQDIDIQDMVAGENTSEAGSEDEGEVSLPEQPKVTITEAISSVQKLRLSTCVDIPDAI
 FGQLNGIDEYLMKRVTTQLIDSKITDFLQTK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030953

ORF Size: 1563 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.

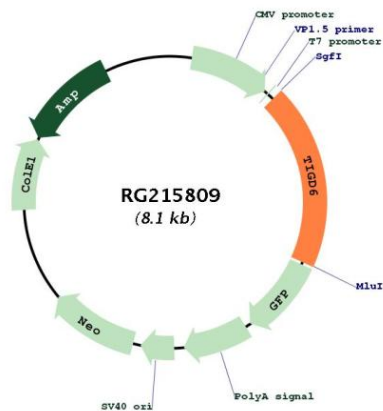
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_030953.2](#), [NP_112215.1](#)

RefSeq Size: 3508 bp

RefSeq ORF:	1566 bp
Locus ID:	81789
UniProt ID:	Q17RP2
Cytogenetics:	5q32
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. [provided by RefSeq, Oct 2009]

Product images:



Circular map for RG215809