

Product datasheet for **RG215613**

TATDN3 (NM_001042553) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: TATDN3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG215613 representing NM_001042553
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGCGAGCGGCTGGCGTAGGCTTGGTGGACTGTCACCTCTCGCCCCGACTTTGACCGCGATT
TGGATGATGTGTTGGAGAAAGCCAAGAAGGCCAATGTTGTGGCCCTGTGGCAGTTGCCGAACATTCAGG
AGAATTTGAAAAGATTATGCAACTTTCAGAAAGGTATAATGGGTTTGTCTGCCATGCTTGGGTGTTTCAT
CCAGTTCAAGGACTTCCACCAGAAGACCAAGAAGTGTCACTAAAGGATTTGGATGTAGCTTTGCCCA
TTATTGAGAATTATAAGGATCGGTTGTTGGCAATTGGAGAGTTGGACTAGATTTCTCCCCAGATTGTC
TGGCACTGGTGAACAGAAGGAAGAGCAAGACAAAGTCTAATCAGACAGATCCAGTTAGCCAAAAGACTA
AATTTGCGCTGTAATGTGCACTCACGCTCTGCTGGAAGACCTACCATCAACCTTTTACAAGAGCAAGGTG
CTGAGAAGGTACTGCTGCATGCATTTGATGGTCGCCATCTGTAGCCATGGAAGGAGTAAGAGCTGGGTA
CTTCTTCTCAATCCCCCTTCTATCATAAGAAGTGGACAGAAGCAGAACTTGTGAAACAATTGCCTTTA
ACTTCTATATGCTTAGAAACAGATTCACCTGCACTAGGACCAGAAAACAGGTACGGAATGAGCCCTGGA
ACATTTCTATTTCAGCAGAATATATTGCCAGGTGAAAGGGATCTCAGTGGAAGAAGTTATAGAAGTGAC
GACACAGAATGCATTAATACTGTTTCTAAGCTCCGACACTTGCTCCAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215613 representing NM_001042553
Red=Cloning site Green=Tags(s)

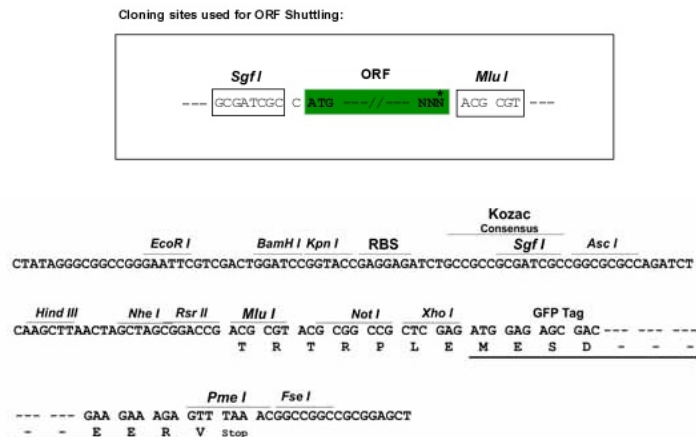
MRAAGVGLVDCHCHLSAPDFDRDLDDVLEKAKKANVVALVAVAEHSGEFKIMQLSERYNGFVLPCLGVH
PVQGLPPEDQRSVTLKDLDAVLPPIENYKDRLLAIGEVGLDFSPRFAAGTGEQKEEQRVLIHQIQLAKRL
NLPVNVHSRSAGRPTINLLQEQAQKVLHAFDGRPSVAMEGVVAGYFFSIPPSIIRSGQKQKLVKQLPL
TSICLETDSPALGPEKQVRNEPNWISISAEYIAQVKGISVEEVIEVTTQNALKLFPKLRHLLQK

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001042553

ORF Size: 822 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).

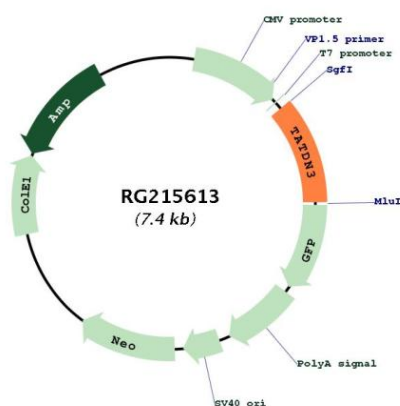
Reconstitution Method:

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_001042553.1](#), [NP_001036018.1](#)

RefSeq Size:	2383 bp
RefSeq ORF:	822 bp
Locus ID:	128387
UniProt ID:	Q17R31
Cytogenetics:	1q32.3
Gene Summary:	Putative deoxyribonuclease.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RG215613