

Product datasheet for **RG228213**

TATDN3 (NM_001146171) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TATDN3
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG228213 representing NM_001146171
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCGAGCGGCTGGCGTAGGCTTGGTGGACTGTCACCTCTCCGCCCCGACTTTGACCGCGATT
TGGATGATGTGTTGGAGAAAGCCAAGAAGGCCAATGTTGTGGCCCTGTGGCAGTTGCCGAACATTCAGG
AGAATTTGAAAAGATTATGCAACTTTCAGAAAGGTATAATGGGTTTGTCTCGCCATGCTTGGGTGTTTCAT
CCAGTTCAAGGACTTCCACCAGAAGACCAAGAAGTGTCACTAAAGGATTTGGATGTAGCTTTGCCCA
TTATTGAGAATTATAAGGATCGGTTGTTGGCAATTGGAGAGGTTGGACTAGATTTCTCCCCAGATTTGC
TGGCACTGGTGAACAGAAGGAAGAGCAAGACAAGTCTAATCAGACAGATCCAGTTAGCCAAAAGACTA
AATTTGCTGTAAATGTGCACTCACGCTCTGCTGGAAGACCTACCATCAACCTTTTACAAGAGCAAGGTG
CTGAGAAGGTACTGCTGCATGCATTTGATGGTCGCCATCTGTAGCCATGGAAGGAGTAAGAGCTGGGTA
CTTCTTCTCAATCCCCCTTCTATCATAAGAAGTGGACAGCTGCTTTCTTTTCTCTAAGAAGCAGAAA
CTTGTGAAACAATTGCCTTTAACTTCTATATGCTTAGAAACAGATTCACCTGCACTAGGACCAGAAAAAC
AGGTACGGAATGAGCCCTGGAACATTTCTATTTTCAGCAGAAATATATTGCCAGGTGAAAGGGATCTCAGT
GGAAGAAGTTATAGAAGTGACGACACAGAATGCATTAAGTGTTCCTAAGCTCCGACACTTGCTCCAG
AAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG228213 representing NM_001146171

Red=Cloning site Green=Tags(s)

MRAAGVGLVDCHCHLSAPDFDRDLDDVLEKAKKANVVALVAVAEHSGEFKIMQLSERYNGFVLPCLGVH
PVQGLPPEDQRSVTLKDLDAIPPIENYKDRLLAIGEVGLDFSPRFAQTGEQKEEQRVLIHQIQLAKRL
NLPVNVHSRSAGRPITINLLQEQGAKEVLLHAFDGRPSVAMEGVAGYFFSIPPSIIRSGQLLSLFSKKQK
LVKQLPLTSICLETDSPALGPEKQVRNEPWNISISAETIAQVKGISVEEVIEVTTQNALKLFPKLRHLLQ
K

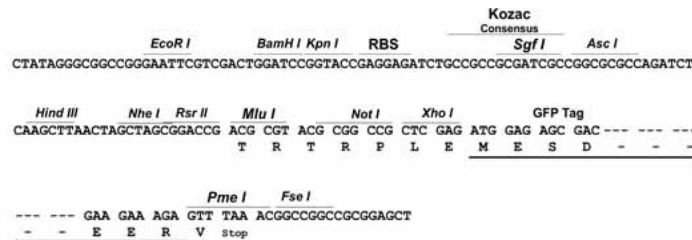
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:

NM_001146171

ORF Size:

843 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_001146171.1](#), [NP_001139643.1](#)

RefSeq Size: 2609 bp

RefSeq ORF: 846 bp

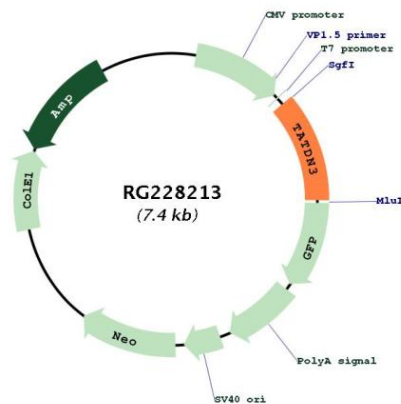
Locus ID: 128387

UniProt ID: [Q17R31](#)

Cytogenetics: 1q32.3

Gene Summary: Putative deoxyribonuclease.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG228213