

Product datasheet for **RC228213**

TATDN3 (NM_001146171) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TATDN3
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC228213 representing NM_001146171
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCGAGCGGCTGGCGTAGGCTTGGTGGACTGTCACCTCTCCGCCCCGACTTTGACCGCGATT
TGGATGATGTGTTGGAGAAAGCCAAGAAGGCCAATGTTGTGGCCCTGTGGCAGTTGCCGAACATTCAGG
AGAATTTGAAAAGATTATGCAACTTTAGAAAGGTATAATGGGTTTGTCTGCCATGCTTGGGTGTTTAT
CCAGTTCAAGGACTTCCACCAGAAGACCAAGAAGTGTCACTAAAGGATTTGGATGTAGCTTTGCCCA
TTATTGAGAATTATAAGGATCGGTTGTTGGCAATTGGAGAGTTGGACTAGATTTCTCCCCAGATTTGC
TGGCACTGGTGAACAGAAGGAAGAGCAAGACAAGTCTAATCAGACAGATCCAGTTAGCCAAAAGACTA
AATTTGCCTGTAAATGTGCACTCACGCTCTGCTGGAAGACCTACCATCAACCTTTTACAAGAGCAAGGTG
CTGAGAAGGTACTGCTGCATGCATTTGATGGTCGCCATCTGTAGCCATGGAAGGAGTAAGAGCTGGGTA
CTTCTTCTCAATTTCCCTTCTATCATAAGAAGTGGACAGCTGCTTTCTTTTCTCTAAGAAGCAGAAA
CTTGTGAAACAATTGCCTTTAACTTCTATATGCTTAGAAACAGATTCACCTGCACTAGGACCAGAAAAAC
AGGTACGGAATGAGCCCTGGAACATTTCTATTTTCAGCAGAAATATTTGCCAGGTGAAAGGGATCTCAGT
GGAAGAAGTTATAGAAGTGACGACACAGAATGCATTAAGTGTTCCTAAGCTCCGACACTTGCTCCAG
AAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC228213 representing NM_001146171
Red=Cloning site Green=Tags(s)

MRAAGVGLVDCHCHLSAPDFDRDLDDVLEAKKANVVALVAVAEHSGEFEKIMQLSERYNGFVLPCLGVH
PVQGLPPEDQRSVTLKDLDAVLPPIENYKDRLLAIGEVGLDFSPRFAGTGEQKEEQRVLIRQIQLAKRL
NLPVNVHSRSAGRPTINLLQEQAELVLLHAFDGRPSVAMEGVRAGYFFSIPPSIIRSGQLLSLFSKKQK
LVKQLPLTSICLETSPALGPEKQVRNEPWNISISAETIAQVKGISVEEVIEVTTQNALKLPFKLRHLLQ
K

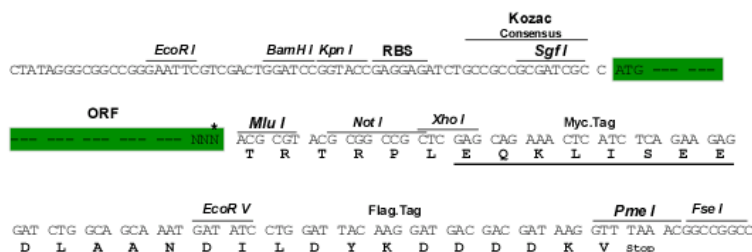
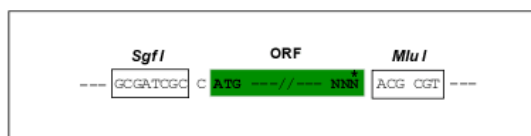
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8049_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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 ORF: 846 bp

Locus ID: 128387

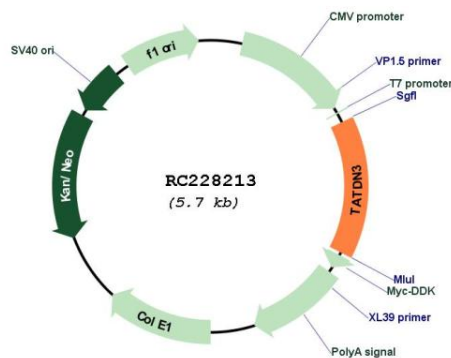
UniProt ID: [Q17R31](#)

Cytogenetics: 1q32.3

MW: 30.9 kDa

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

Product images:



Circular map for RC228213