

Product datasheet for MR218223

Tatdn3 (NM_001163422) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tatdn3 (NM_001163422) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tatdn3
Synonyms: 1500010M24Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218223 representing NM_001163422
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTTTGGGTTAGTGGACTGTCACTGCCATCTCTCCGCTCGGACTTTGACAACGATCTGGATGATG
TGTTGGAGAAAGCCAGGAAGGCTAATGTCATGGCCTTGTCAGTTGCTGAACATGCAGGAGAATTTGA
AAGAATTATGCAGCTTTCAGAAAGGTATAATGGATTCTGCTGCCATGTCTGGGAGTTCAACCAGTTCAA
GAGCTTTCACCAGAAAAACCAAGAAGCGTGACATTAAGGATTTGGATGTAGCTTTGCCTATTATTGAGA
AGTACAAGGATCGCTTGTGGCAATCGGAGAGGTGGGCTAGACTTCACCCAGATATGCAGGCACTGA
TGAGGAGAAGGAAGAACAAGACAAGTCTAATCAGACAAGTGAACCTGGCCAAAAGGCTAAATGTGCTT
CTAAATGTGCACTCACGCTCAGCTGGAAGCCACCATCAGCCTTTACGTGAACAAGAAGCAGAAGCTT
GTGAAACAGCTGCCTCTGAGTTCTATCTGCTTAGAAACAGATTACCTGCGCTAGGACCAGAAAAGCTGA
CACGGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218223 representing NM_001163422
Red=Cloning site Green=Tags(s)

MGLGLVDCHCHLSASDFDNDLDDVLEKARKANVMALVAVAEHAGEFERIMQLSERYNGFVLPCLGVHPVQ
ELSPEKPRSVTLKDLVALPIIEKYKDRLLAIGEVGLDFTPRYAGTDEEKEEQRQVLIHQVQLAKRLNVP
LNVHSRSAGRPTISLLREQEAEACETAASEFYLLRNRFTCARTRKADTE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Chromatograms: https://cdn.origene.com/chromatograms/mm9044_e06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001163422

ORF Size: 567 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.

RefSeq: [NM_001163422.1](#), [NP_001156894.1](#)

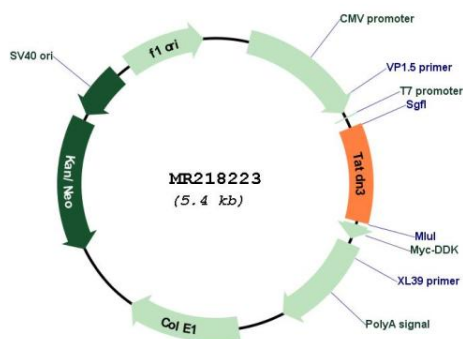
RefSeq Size: 1129 bp

RefSeq ORF: 570 bp

Locus ID: 68972

UniProt ID: [Q3U1C6](#)
Cytogenetics: 1 H6
MW: 21.7 kDa
Gene Summary: Putative deoxyribonuclease.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218223