

## Product datasheet for **SC114856**

### **TATDN2 (NM\_014760) Human Untagged Clone**

#### **Product data:**

|                           |                                         |
|---------------------------|-----------------------------------------|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | TATDN2 (NM_014760) Human Untagged Clone |
| Tag:                      | Tag Free                                |
| Symbol:                   | TATDN2                                  |
| Mammalian Cell Selection: | None                                    |
| Vector:                   | <u>pCMV6-XL4</u>                        |
| E. coli Selection:        | Ampicillin (100 ug/mL)                  |



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**Fully Sequenced ORF:** >OriGene ORF within SC114856 sequence for NM\_014760 edited (data generated by NextGen Sequencing)

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ATGGCGTCCGAGCGGGGCAAGGTCAAGCACAACCTGGAGCAGCACGTGGAAGGGTGTCCC
CGCAAGCGCAGCTGCCTCCGGGAGCCCTGTGATGTGGCCCCCTCCAGCCGGCCAGCTCAG
AGGTCTGCGTCGCTTCTGGAGGGCCAGCAGCCCCAAGCGCTGAAAGCCCAGAAGGAG
GACGATGTGGCTTGCTCGCGGAGGTTATCTGGGGCTCATCCGCCGAGAAATAACTCC
TCCTCCTCCTTCTCCCCACATTTCTTGGGCCCTGGTGTGGGCGGGGCCCTCCAAAGGC
TGCTGATTTCGGAACACTCGGGGGTTCCTGTCTTCAGGGGGATCCCTCTGCGTCTGCC
AACGCCTCTTTGGAAGAAATGGCTTCTCTAGAGGAGGAAGCCTGCAGCCTTAAGGTTGAT
TCCAAAGATAGTTCTCATAACTCCACAACTCTGAATTTGCAGCTGAAGCTGAGGGTCAG
AATGATACAATTGAGGAACCAACAAGGTCCAGAAAAGGAAGAGGGATAGACTTCGAGAC
CAGGGCTCCACAATGATCTACCTGAAGGCTATCCAGGGCATCCTGGGAAATCGATGCCA
AAAAGGAAGGGAGAGGCTGCCACTCGGGCAAAACCAAGCGCAGCAGAGCATCCAGCCAT
GGAGAAGGACCAGCCAGGAGTGAAGGACCAGCCAAGACTGCAGAAGGAGCAGCCAGGAGT
GTCACAGTCACTGCTGCTCAGAAGGAGAAAGACGCAACCCAGAGATCAGCATGGAGGAG
GATAAGACAGTGCAGAGAGGAGCAGCTTCTATGACAGGAGAGTAGTTATAGACCTCAA
GAGAAACCCAGTGAGGAGCCCCTTGGGGACCGAAGGACTGTATTGACAAATGCTCTCCA
CCCCTAGAGTTCTTGATGACTCTGACTCTCATTTAGAAATCCAAAGCATAAAGATAGG
GAGGTGGTGATGGAGCACCCCTCTTCTGGAAGTGAAGTGTGATGTTGAGGAGATCTCC
ACAGTCAGATTCTCTCAGGAGGAACCTGTCTCCCTGAAACCTTCAGCCGTTCTGGAGCCT
TCTTCTTCCACCAGCTATGTCTGTACCTCCTCATTGTACAGTAGTCCTTGGTGT
GACTACGCCAGCTATTGGACCAGCAGCCCCAAGCCTTCTAGCTACCCCTCCACAGGCAGC
AGCAGCAACGATGCAGCCAGGTTGGGAAGAGCAGCCGGAGCCGATGAGTGATTATTC
CCCAACTCTACAGGGAGTGTCCAAACACCTCCAGAGACATGGAGGCCTCAGAGGAAGGC
TGGTCCAGAAATTCTCGTTCAATTCGCTTCTCCAGAAGCTCAGAAGAAAGAGAGGTGAAG
GAGAAAAGAACATTCCAAGAGGAGATGCCTCCGCGTCTTGTGGAGGACACGCATCCAGC
TCCCTGCCAAAGAGCCACCTGGAGCCAAGCCTAGAGGAGGGCTTCATTGACACTCATTGT
CACCTGGACATGCTCTATTCCAAGCTATCTTTCCAAGGGACCTTTACAAAGTTCAGAAAA
ATTTACAGCAGCTCCTTCCCTAAGGAATTCAGGGCTGCATCTCTGACTTCTGTGATCCC
CGCACCTGACAGATTGCCTGTGGGAGGAGCTGTTGAAAGAGGATCTGGTCTGGGGGGCC
TTTGGCTGTACCCTCATTTTGCAGTTACTACAGTGAGAGTCAAGAAAGAAATCTTTTG
CAAGCCTTAAGGCACCCTAAGGCTGTGGCATTGGAGAAATGGGCTTGGATTACTCTTAC
AAGTGCACCACGCTGTCCCAGAACAGCACAAGGTATTTGAGAGACAGCTGCAGCTGGCT
GTGTCTCTAAAGAAGCCCTTGGTGATCCACTGCCGAGAAGCTGATGAAGATCTGTAGAA
ATCATGAAAAAGTTTGTGCCCCCTGACTACAAGATCCATAGGCATTGCTTACCAGGCAGC
TACCCGGTCATTGAGCCCTGCTGAAGTACTTTCCCAACATGTCTGTGGGCTTCACGGCA
GTGCTGACATACTCCTCTGCCTGGGAGGCCCCGGGAAGCCTTGAGGCAGATCCCACTGGAG
AGAATCATCGTGGAAACGGATGCTCCCTATTTCTCCCTCGCCAGGTTCCCAAAAGCCTT
TGCCAGTATGCCACCCGGGCCCTGGCCTTGATACGGTCCGAGAGATTGCCAGAGTCAAA
GATCAGCCACTCTCCCTACCTTGCTGCCTTGCGTGAGAACACCAGTCGCCTCTACAGT
CTTTAA

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Clone variation with respect to NM\_014760.3  
 766 g=>a;1073 c=>t;1641 a=>g

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_014760 unedited  
 TTCGTAGCCCCGGAAGCGCTTAGGCATCTCCGAAGTAGCGCTGGGCAAAGTGAAGGCTTC  
 CTGATCTCAGAAGCACGTTGTGGGCTTGAAACCGACGGCAGCCTTTAGTCAATTTTGA  
 TCGCTTTGACTTCTCCAACACGGTTTGGCATCTCTGAAACCTTGAGAACTGTGATGGGCA  
 GTGGAAAGAAGAGGGAAGGTGCCCATGGCGTCCGAGCGGGGCAAGGTCAAGCACAACCTG  
 GAGCAGCACGTCGGAAGGGTGTCCCCGAAGCGCAGCTGCCTCCGGGAGCCCTGTGATGT  
 GGCCCCCTCCAGCCGGCCAGCTCAGAGGTCTGCGTCGCGTTCTGGAGGGCCAGCAGCCC  
 CAAGCGCCTGAAAGCCCAGAAGGAGGACGATGTGGCTTGCTCGCGGAGGTTATCCTGNGG  
 CTCATCCCGCCGAGAAATAACTCCTCCTCCTTCTCCCCACATTTCTTGGGCCCTGG  
 TGTGGGCGGAGCCGCTCCAAAGGCTGCCTGATTCGGAACACTCGNGGTTCTGTCTTC  
 AGGAGGATCCNCTCTGCGTCCTGCCAACGCCTCTTTGGAAGAAATGGCTTCTCTAGAGGA  
 GGAAGCCTGCAGCCTTAAGGNTGATTCCANAGATAGTTCTCATAACTNCACAACTCTGA  
 ATTTGCAGCTGAAGCTGAGGGTCANAATGATACCATTGAGGAACNCCACAGGTCAGANA  
 GGNAGAGGNATAGACTTCGAGACAGNGGCTCACATGATCTACCTGAGGCTATCAGGGCAT  
 CTGGGGAATCGATGCAAAAGGAGGNAGAGGCTGCCACTCGGCAA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_014760 unedited  
 NTTTTTGGTACCTTCACTTTATTTTANAAAAAGNTAGGCCCAAGNAGGGGAAAAATACAG  
 AGGCATTTCCACAGCACAGTGAAAAACAATTAGCCATCCAAAAAGCTGAATCAAAAAACAAT  
 GCCAATCAGCTTTCACGCCCACACAGGTGAGGTTTCACTGTGCAACAGCACATAAATGAT  
 AATCTAAATCCTAGAGAGAAAAAGTAGATAGCACCTTGCTTTTCTTGGCAGGTGGATG  
 GCACAGGCTTGGAGACTTCCATGTCATCTCCGCTTTTCTCCTCTAACACAGGGCTGGTT  
 GGTTCACCTGCAGGCACTACTGACTTCAGGGCTTGCTGGAGAGGAGATGGTTGTGCTGC  
 AGTTCACTTGGTGACTATGAACACTTTGATATGCTCGGCAGTCCCCCAAGTCTTCCAAGC  
 AGGAAATCAGGTCCCCCGACTTCCCACATGGGCCAATCTGCAGCACAGACAACATAAC  
 AGCACAGCTAATCCGTGAAGACGGACAGTGAATCAAGGCTGAGTTCCAGGCCAGTGACTT  
 GTGTACCAGGGGCAAGATGGAAATGCCAGATAGGAAATATTAAATCCATTCCATTTTAGC  
 TCACAAGGCTCAAATGCGCCTTCCAAAAACACCTAGAGGAATTTAGGATTCCATAAGGGA  
 TGTATTTTACAATTTAAGCCTCCAAGACCACAGACGAGGGACTCCAGGTGATCTATCCAC  
 CTCATGTCAGATCAGGGTGAAGGATCCTTTGAAACAAAGTACAGTCTCCTCTCACTTAAC  
 CCTGGACCATTAGAAACCTCTAGGCCTGTNACGAGTATACCTTTACNAGGACACCAGCAG  
 CGGCAGAGCAGAGCTCANGACTTGAGATGACTCAGTTGCTCAAAAGGTGAAAGAGAGGCT  
 CTCACCTTNTAAACGCAGAANGACAGGACACAGGAGAAGGCAC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_014760

**Insert Size:**

4400 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>RefSeq:</b>                | <u>NM_014760.2, NP_055575.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 4505 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2286 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 9797                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID:</b>            | <u>Q93075</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 3p25.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Domains:</b>               | TatD_DNase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Summary:</b>          | Putative deoxyribonuclease.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                                                                              |