

## Product datasheet for **MC203335**

### **Tcea1 (NM\_011541) Mouse Untagged Clone**

#### **Product data:**

|                           |                                        |
|---------------------------|----------------------------------------|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | Tcea1 (NM_011541) Mouse Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | Tcea1                                  |
| Synonyms:                 | S-II                                   |
| Mammalian Cell Selection: | Neomycin                               |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)                |
| E. coli Selection:        | Kanamycin (25 ug/mL)                   |



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**Fully Sequenced ORF:** >BC061490  
 CCCACGCGTCCGGGAAGGCCTAGGCCAGCGGCTTCGCGGCTTGTCCAACGTCCGCGCAGCTTCTCTCGCT  
 TCCCGTCCGCTGTGGCCGGGCGAGGGGAGGCCTTCCGGAGCCATGGAGGACGAGGTGGTTCGCATTGCCA  
 AGAAGATGGACAAAATGGTGCAGAAAAAGAAATGCGGCTGGCGCATTGGATTTGCTGAAAGAGCTTAAGAA  
 TATTCCTATGACCCTAGAATTGCTACAGTCCACAAGAATTGGAATGTCTGTCAATGCCCTTCGAAGCAG  
 AGCACAGATGAAGAAGTCACTCTCTAGCCAAGTCTCTCAATCCTGGAAAAATATTAGATGGAC  
 CATCAACTGATAAAGACCCTGAAGAAAAAGAAAAAGAGCCTGCAATTTTCATCACAGAATAGCCCTGAAGC  
 AAGAGAAAGAAAGTAGTTCCAGCAGCAATGTAAGCAGCAGAAAGGATGAGACAAATGCTCGAGATACATAT  
 GTTTCATCTTTTCTCGGGCACCAGCACTTCTGATTCTGTGCGATTAAATGTAGGGAGATGCTTGCTG  
 CAGCTCTTCGGACAGGAGATGATTATGTTGCAATTGGAGCTGATGAAGAAGAACTGGGATCTCAGATTGA  
 GGAAGCTATATCAAGAAATAAGGAATACAGACATGAAATACAAAAACAGAGTACGAAGTAGGATATCA  
 AATCTTAAAGATGCAAAGAATCCAAATTAAGGAAAAATGTGCTGTGGGAATATTCTCTGATCTAT  
 TTGCTAGAATGACAGCAGAGGAAATGGCTAGTGATGAGCTCAAAGAGATGAGGAAAACTGACCAAAGA  
 AGCCATCAGGGAGCATCAGATGGCCAAGACTGGTGGGACCCAGACTGACTTGTTCACTTGTGGCAAATGT  
 AAAAGAAGAACTGCACTTATACACAGGTGCAAACTCGTAGTGCTGATGAACCAATGACAACATTTGTTG  
 TATGTAATGAATGTGGAATCGGTGGAAGTTCTGTTGAGTTTGAAGAATTGGCAAAGTATCTGGACCAT  
 TAAGAAAACTAATTTTGAATTAGCTTTAAATTAAGCCAGGCAACTCGTTTCTTGAAGTGAATTT  
 GTAAACAACATACATCTCATGGGTTGGTCTTTGTTGTTCACTGACAGTCTGTCTTAAATGCCTTCTGTG  
 GTCTCAGATCAGCTGGGAGACCATAAAATAATGATATAATGTGTTGCTTTGTTTTCTCTTTCATAAGTT  
 GATGTTGCATTTTATTAATATTAACTTTTATAGCCTAGAACACAAAAATTTGTTGATCTGTTAATGC  
 ATAAAGATAAATTGCTTTTCTATTGGTATGTACCTAACATGTTAAAGGAAAAGGCATAATATAAATT  
 TTTAGAGTTACCAAATGTAGTGTGATTCCAATAGTATGTGGCCAGCTTATCAAAGTTGTGCACACAATT  
 TGAAGTACATATTACTTTACTCTTAATTACTGTGCTCACAAGCCTCGGATCCTTGGATCTCTTGCATC  
 TGTGACTAACCAAGTGATCATTTCTTTTATTTCTCATACATATATAATACCATTTTTTAAATAGATTTTA  
 CTCTGAAAACGGACTTGGTTTATTTTATTTGACTTTGTGCTATATTTTAGTTTTATAGAAGTCTGTTATA  
 ATTTCTAAGCTTTTCATAAAGCCACCACAGGTATACTTCTGATGAATTGTCCCAATAGGAAGACATG  
 CTATGAAGAAAATGTTAGTATCTTAGTAGAGTTCTGGAGGCAGCATGACTGTACTTGCCTTGGAAACC  
 TACTGACCAAGGATTAAGCCTGAGAACTGTAATCATTAAAGCTATGCTCTTTGTGATGGAGGTTGCAAA  
 AAAAGGCACCTCCTTTAGACTGAATCTTTGTGCTGAAATTTTCTTACATGATGATGTCAGCCAGCTG  
 AAATGTAGGCTGTAGCAAATAGTTTACAAAACATATTTACAATTAAGTTTTACTTTTTAAATGTGTCC  
 CACTTGTTTTGCTAGTAATAAGCAGTGGTTTTACATCGTCTTCTGACACAGATGTTGTAATGCATATA  
 GTAAAGGCCACTTTTATAAATTAAAGTGCTTCTGCCTGTGTTGAGACTCCTGTGTAAGAACCGTTGCACAA  
 GCTTTGCACTCTTCTATGCTCTGCTTTGTAGACCGTTTGTCAATACATGGAAGAACATATGTCCATGTTA  
 AAAGGATTGGTCTGCCGGGCGTGGTGGCCACACCTTTAATCCAGAACTCGGGAGGCAGAGGCAGGCGG  
 ATTTCTGAGTTTGAGGCCAGCCTGGTCTACAGAGTGAGTTCCAGGACAGCCAGGGCTATACAGAGAAACC  
 CTGTCTCAACCCCTCCCCCCCCCAAAAAAAGATTGGTCCATGGATAATTTCTGTCACTTTAAAAATA  
 AAGTACAGTTTGAAAGAATTAGTTTAAAGTAATAAGGTTAAATAGTCCCACTTTTAAGTGATCCATTT  
 TAAATTTGTAATCAATAAAGTTTTTTGTTGTTAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_011541

**Insert Size:** 906 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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq:</b>                | <u><a href="#">BC061490</a></u> , <u><a href="#">AAH61490</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq Size:</b>           | 2576 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq ORF:</b>            | 906 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Locus ID:</b>              | 21399                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID:</b>            | <u><a href="#">P10711</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Cytogenetics:</b>          | 1 A1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Summary:</b>          | <p>Necessary for efficient RNA polymerase II transcription elongation past template-encoded arresting sites. The arresting sites in DNA have the property of trapping a certain fraction of elongating RNA polymerases that pass through, resulting in locked ternary complexes. Cleavage of the nascent transcript by S-II allows the resumption of elongation from the new 3'-terminus.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1.</p> |