

## Product datasheet for **SC108514**

### **TCEA1 (NM\_006756) Human Untagged Clone**

#### **Product data:**

|                           |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                               |
| Product Name:             | TCEA1 (NM_006756) Human Untagged Clone                                                            |
| Tag:                      | Tag Free                                                                                          |
| Symbol:                   | TCEA1                                                                                             |
| Synonyms:                 | GTF2S; SII; TCEA; TF2S; TFIIIS                                                                    |
| Mammalian Cell Selection: | None                                                                                              |
| Vector:                   | <u>pCMV6-XL5</u>                                                                                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                            |
| Fully Sequenced ORF:      | >NCBI ORF sequence for NM_006756, the custom clone sequence may differ by one or more nucleotides |

ATGGAGGACGAAGTGGTCCGCTTTGCCAAGAAGATGGACAAGATGGTGCAGAAGAAGAACGCGGCTGGAG  
 CATTGGATTTGCTAAAGGAGCTTAAGAATATTCCTATGACCCTGGAATTACTGCAGTCCACAAGAATCGG  
 AATGTCAGTTAATGCTATTCGCAAGCAGAGTACAGATGAGGAAGTTACATCTTTGGCAAAGTCTCTCATC  
 AAATCCTGGAAAAAATTATTAGATGGGCCATCACTGAGAAAGACCTTGACGAAAAGAAGAAAGAACCTG  
 CAATTACATCGCAGAACAGCCCTGAGGCAAGAGAAGAAAGTACTTCCAGCGGCAATGTAAGCAACAGAAA  
 GGATGAGACAAATGCTCGAGATACTTATGTTTCATCCTTTCCTCGGGCACCAAGCACTTCTGATTCTGTG  
 CGGTTGAAGTGTAGGGAGATGCTTGCTGCAGCTCTTGAACAGGGGATGACTACATTGCAATTGGAGCTG  
 ATGAGGAAGAATTAGGATCTCAAATTGAAGAAGCTATATATCAAGAAATAGGAATACAGACATGAAATA  
 CAAAAATAGAGTACGAAGTAGGATATCAAAATCTTAAAGATGCAAAAAATCCAAATTTAAGGAAAAATGTC  
 CTCTGTGGGAATATTCCTCCTGACTTATTTGCTAGAATGACAGCAGAGGAAATGGCTAGTGATGAGCTGA  
 AAGAGATGCGGAAAACTTGACCAAGAAGCCATCAGAGAGCATCAGATGGCCAAGACTGGTGGGACCCA  
 GACTGACTTGTTACATGTGGCAAATGTAAAAAGAAGAAATTGCACTTACACACAGGTACAAACCCGTAGT  
 GCTGATGAACCAATGACAACATTTGTTGCTGTGAATGAATGTGGAATCGATGGAAGTTCTGTGA


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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006756 unedited  
 GGTCAAATTTGTATACGACTCCTATAGGCGGCCCGCGATTTCGGCACGAGGGTCGCTCCTG  
 CTGTGTCTTCCGTCAGCTTCGCCCCTTCCCCTTGCCAGCGGGGTGGCGCGGAGAAG  
 ACCTGCCGGAGCCATGGAGGACGAAGTGGTCCGCTTTGCCAAGAAGATGGACAAGATGGT  
 GCAGAAGAAGAACGCGGCTGGAGCATTGGATTTGCTAAAGGAGCTTAAGAATATTCCTAT  
 GACCCTGGAATTACTGCAGTCCACAAGAATCGGAATGTCAGTTAATGCTATTCGAAGCA  
 GAGTACAGATGAGGAAGTTACATCTTTGGCAAAGTCTCTCATCAATCCTGGAAAAAATT  
 ATTAGATGGGCCATCAACTGAGAAAAGACCTTGACGAAAAGAAAGAAACCTGCAATTAC  
 ATCGCAGAACAGCCCTGAGGCAAGAGAAGAAAGTACTTCCAGCGGCAATGTAAGCAACAG  
 AAAGGATGAGACAAATGCTCGAGATACTTATGTTTCATCCTTTCTCGGGCACCAGCAC  
 TTCTGATTCTGTGCGTTGAAGTGTAGGAGATGCTTGCTGCAGCTCTTCGAACAGGGGA  
 TGACTACATTGCAATTGGAGCTGATGAGGAAGAATTAGGATCTCAAATTGAAGAAGCTAT  
 ATATCAAGAAATAAGGAATACAGACATGAAATACAAAAATAGAGTACGAAGTAGGATATC  
 AAATCTTAAAGATGCANAAAATCCAATTTAAGGAAAATGTCCTCTGTGGGATATTCCTCC  
 TGACTTTTGTAGATGACAGCAGAGGAATGGCTAGTGATGAGCCTGAAGAGATGCGGAA  
 AACCTGACCAAGAAGCCATCAGAGAGCATCAGATGGCCAAGACTGGTGGNACCCAGACTG  
 ACTTGTTCCATGNGGCCAATGTAA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_006756 unedited  
 CGCAATCTAGAGTCGAGCCNTTTTTTTTTTTTTTTTTTTTTTTTATGTTTAACAACAAAAAA  
 ACTTTATTGAATTACAAATTTTAAATGGATCACTTAAAAGTGAGATTATTTTATTCTGA  
 AACATTATTTCAAAAATGTACTTTGTTTTTGAATAAAACAAAATCTTCAACTATGAACT  
 GACAAAATAGAGGTGAGTTGGTACCAGTGGGCCAATTCTTAACACGGACATTTAAAAATG  
 CTGCTTTCTGTATTACAACAAAATGATATGCAATAAGAAATTGGAAAAAGGGAGCAAAGG  
 AGAGTGCAAAGCATGTACTGAGGTCTTTCTACGGGTGCCTGACAGAATGCAGATTCAGCA  
 TAAATGTAGACTTTGCAACAGTGGCCTTTAAAGTATGCTAGAGCAAGTGTACCCTAGGG  
 AACCTATGTCAAAACAATTTTGTCTTACTCCTAACAGAAAAATGGTACACACTTTAAC  
 AAAAGCAAACTTAATTGTAAGATCTGTACTGTAAAGTACTTGCTATAGCCCATATATT  
 CAGTTTGTTCACAACTCTCACTCATGACAGAAAAAGTCAGCATATAAGACTTGGGACAAA  
 ATTATTTTCTATCAGTCTCCACATGGGNAGACCACAGCCTTAATGAATTATACCATCCTT  
 AAGATTAATCCTTGGTCACTATAAATTTCCGAATCAAAATCTAGTCATGACCTGTTTACA  
 ATAACTTACTACCTAAGATGCTAAACATTTTCTTTCAGTATGCTTCTAAAAGGGGAAA  
 AAAAAAGTGGGAAGTTTCATCTTTGCCTATGAGGGATTATGAAAAGCCTTTAACTAAACA  
 GTGTNTTTTGCAAAATAAAACCTTTTAAGGTCAACCCGTGAATTACAGAAAACCACTTG  
 TTCATAAAGTCTGGTTCAAAATTTTAAACAGTTTTTCTTCCAGAAATCCGAACGGT  
 GTG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_006756

**Insert Size:**

2700 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>                | <a href="#">NM_006756.2</a> , <a href="#">NP_006747.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RefSeq Size:</b>           | 2784 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 906 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>              | 6917                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID:</b>            | <a href="#">P23193</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cytogenetics:</b>          | 8q11.23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Domains:</b>               | TFIIS, TFS2N, TFS2M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Families:</b>      | Transcription Factors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <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 (1) encodes the longer isoform (1).</p>                |