

## Product datasheet for **SC320485**

### **TEDC2 (NM\_025108) Human Untagged Clone**

#### **Product data:**

|                           |                                        |
|---------------------------|----------------------------------------|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | TEDC2 (NM_025108) Human Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | TEDC2                                  |
| Synonyms:                 | C16orf59                               |
| Mammalian Cell Selection: | Neomycin                               |
| Vector:                   | pCMV6-AC (PS100020)                    |
| E. coli Selection:        | Ampicillin (100 ug/mL)                 |



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**Fully Sequenced ORF:** >OriGene sequence for NM\_025108.2  
 AGGAGACGCCGCCGCTTCATGCTGCCGCGGGCTGCTCGCGCCGGCTGGTGGCCGAGCT  
 GCAGGGCGCCCTGGACGCCTGCGCACAGCGACAATTGCAATTGGAGCAGAGCCTGCGCGT  
 TTGCCGTGGCTGCTGCATGCCTGGGAACCACTGGGACCCGGGCTTTGAAGCCACCTCC  
 AGGGCCAGAACTAATGGAGAGGACCCCTTCCAGCATGCACACCCAGTCCACAAGACCT  
 CAAAGAGTTGGAGTTTCTGACCCAGGCACTGGAGAAGGCTGTACGAGTTTGAAGAGGCAT  
 CACTAAGGCCGGAGAGAGAGACAAGGCCCCAGCCTGAAATCTAGGTCCATTGTACCTC  
 TTCTGGCACGACAGCCTCCGCCCCACCGCATTCGCCAGGCCAAGCTGGTGGCCATGCTTC  
 AGACACGAGACCCACCAAGGGCCTCCGCCAGACCACGGTGCCTGCCAAGGGCCACCTGA  
 GCGCCGGCTGCTGCAGTGGGGATGGGACCCGTGTTGGGATGGGAGCCGAACCCCGAG  
 GCCTGGGGCGGGCCTCAGGGACCAGCAATGGCCCCATCCGCTGCTCCTCAGGCCCCAGA  
 AGCCTTCACTCAAGGAGAAGGGGCACCTGCTGCGGCTGCCTGCGGCATTAGGAAAGC  
 AGCTTCCAGAACTCGAGCCTGTGGGCCAGCTCAGTTCCACACAGACCAGTGATTCCAC  
 GGATGCCCGCGTGCCAAAACCCAGTTCCTCCAGAACATGCAGACAGCTCAGGCCGGCC  
 CCAGCCCAGGCTCAGTGTGTGGAGGTGGAGGCGAGGCGGGGCGCCTGCCGAAGGCCTG  
 CTCGCTGCTGAGACTGCGCATGAGGGAGGAGCTCTCGGCAGCCCCATGACTGGATGCA  
 GGAGTACCGCTGCCTGCTCACGCTGGAGGGGTGCAGGCCATGGTGGGCCAGTGTCTGCA  
 CAGGCTGCAGGAGCTGCGTGCAGCGGTGGCGGAACAGCCACCAAGACCATGTCTGTGGG  
 GAGGCCCGCCGGAGCCTCGCCGTCTGTGGGGGTAGAGCGGAGCCTGCATGGAGCCCCCA  
 GCTGCTTGTCTACTCCAGCAGCAGGAGCTGCAGACCCCTGGCGGCCCTCAAGCTGCGAGT  
 GGCTGTGCTGGACAGCAGATCCACTTGGAAAAGGTCTGATGGCTGAATCCTCCCCCT  
 GGTAAGCGCTGCACAGCCGAGGGGCCCGCCTGGCTGGCCCTGTGCCGGGCTGTGCACAG  
 CCTGCTGTGCGAGGGAGGAGCACGTGTCCTTACCATCCTGCGGGATGAACCTGCAGTCTG  
 AGCCTTTCCCATGCTGCCCTCGGCCTGTTACAGTGGGGATTGGGGGTGTCTTCCCTGGCA  
 CTGTGCTCGGGGACCCAGAGATGCCTGTGCTTCCCTGGGAAACCTGGTGAATGGACCAG  
 GTGGCCTCACTGGCTCTTCTCAGGACAATAAGCCTGCTGGTCAGGGCTGGCTTTCAGCC  
 TTCCTAAGGCTCCTGGACTCCAGAGGCCAGCGGGAGCCTTTCCTGGCTCCCTCTGTTTT  
 CTCTACTGTAGACCAAGAGCCGCTTGTGTGATATTAAAGCCACTTTAGAAAGCAAAAA  
 AAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_025108

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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_025108.2, NP_079384.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 1650 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1302 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 80178                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u>Q7L2K0</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 16p13.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Summary:</b>          | Acts as a positive regulator of ciliary hedgehog signaling. Required for centriole stability.<br>[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                        |