

## Product datasheet for **RG225698**

### **TEDC1 (NM\_001134875) Human Tagged ORF Clone**

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | TEDC1 (NM_001134875) Human Tagged ORF Clone                                    |
| Tag:                      | TurboGFP   |
| Symbol:                   | TEDC1  |
| Synonyms:                 | C14orf80   |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-AC-GFP (PS100010)  |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| ORF Nucleotide Sequence:  | >RG225698 representing NM_001134875<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGAGGCGGCGGAGCGGGTGGACCCCGGGCTGGGGCCCGGGCCGGGGCCCTGCCTGAGGCCATCG  
CCGCGTTGAGTCGGTCGCTGCCCTCGGGACCCAGCCCGAGATCTTCGCCGCGCCAAGTTCGACCGTCC  
GGAGGCGACCTCCGCGCTCTGGCAGCTCCTTCCGTGTGCTCTCGCCACTCCCTGCGGGCAACGCCTTG  
GCATCGCTCGCCCTGGAGGTCCAAGCCCGTTGGTGAAGTCAGCACTATGCTCCCAGGGCTACCCGAGGC  
TGGCACTGGCACAACTACCTGAGGATGGCTCGCAGGGCAGTCGGGAGCTGCTGCTGGCTCTGTCTGGCT  
CTTGGCCCGAGGACCTGTGCCCGAGCAGATGCTGGCCAGGCCCGAGTGCCTCTGGGTGACGAGATGACT  
GTGTGCCAGTGTGAGGCCCTGGCCAGCCCTGGCCACCTGCACCCACATGGAAGCAGAGGGTCTGTGG  
ATGTCCGCCATGTGCAAGTGGCTGATGGAAAGTGCAGGTTCCGGTGGCGCCAGCTGGTGTCCAGTCAGCA  
GGAGCAGTGGCCCTCCTGAGCAAGATCCACCTGTACACACGCGGCTGCCACAGCGACCAGAGCCTTAGC  
CATCTGTCTGCACTGAAGCAGAGATGCTCAGGGACCCAGAGGGAGGCCAGCAGCTGCTGCGGACTCTGG  
AGCGTGAGAACAGCGCCTGGAGGCTGTCTGGCGTGGCGGCGCTCTGAGCTGGTCTTCTGGCGGTGGAT  
GGACACGGTCTGGCACCTGTGCCCGGAGGTGCCTGCTGCAGCCTCACAGCCACCTTCTGCCCTGG  
GTCCCCGAGCGGGGGTGGCGAGTTGGACCTGGTAGTGCAGGAGCTGCAGGCCTGAGGAGGAGCTGG  
GGAGGCTGGGAGCGCAGGCGGGCGGCCCTGGGAGGCCAAGGCTGGAGGCTGTGGACGGGGCCAGAGTG  
GAGTGCCGCGCGGGCCCTCTCGGGAGGCTGTGAAAAGGAGCTGGGAGCTCTACAGCAGTGTGGGAG  
CGAGACGGTGGCCCGGCCAGCCCATGGGCCACACCGGCTGGTGGAGCAGAGGATGGGGCAGCAGGGG  
ACCGGGACCTGCGGGCAGCTGTGGTGTACAGGACGCTGAGGAGCCAGGAGGCTGCCTGGAGGCGGTGCT  
ACGTCGACTACAGGGACAGTGTCCGCAGGAACTGGCCAGGCTGGTGGGAGCCCGCCCTGGTCTCATCTGG  
ATCCCGCCACCTGGACGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225698 representing NM\_001134875  
 Red=Cloning site Green=Tags(s)

MGRRRQRVDPAAAGARAGALPEAIAALSRLSPSGPSPEIFRRAKFRPEATSALWQLLFRVLSPLPAGNAL  
 ASLALVQARLVKSALCSQGYPRALALQLPEDGSQGSRELLALSWLLARGPVPEQMLAQARVPLGDEMT  
 VCQCEALASPGPPAPHMEAEQPVDRHVQWLMGKLRFRWRQLVSSQQEQCALLSKIHLYTRGCHSDQSL  
 HLSVTEAEMLRDPEGGQQLLRTLRENRLEAVLAWRRSELVFWRMDTVLGTCAPEVPAASQPTFLPW  
 VPERGGGELDLVRELQALEEELREAAERRRAWEAKAGGCGRGPPEWSAARRASREAVEKELGALQQCWE  
 RDGGPAQPHGPHRLVRREDGAAGDRDLRAAVVIRTLRSQEACLEAVLRRLQGQCRQELARLVGARPLIIV  
 IPPPGR

TRTRPLE – GFP Tag – V

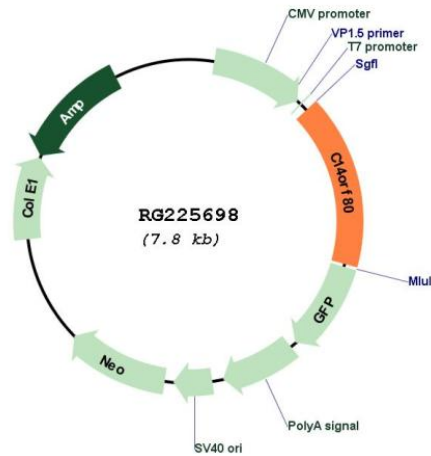
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001134875

|                               |   |
|-------------------------------|---|
| <b>ORF Size:</b>              | 1278 bp   |
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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_001134875.1</a> , <a href="#">NP_001128347.1</a>   |
| <b>RefSeq Size:</b>           | 1719 bp   |
| <b>RefSeq ORF:</b>            | 1281 bp   |
| <b>Locus ID:</b>              | 283643  |
| <b>UniProt ID:</b>            | <a href="#">Q86SX3</a>  |
| <b>Cytogenetics:</b>          | 14q32.33  |
| <b>Gene Summary:</b>          | May play a role in counteracting perturbation of actin filaments, such as after treatment with the actin depolymerizing microbial metabolite Chivosazole F.[UniProtKB/Swiss-Prot Function]  |