

## Product datasheet for **SC326117**

### **TLE2 (NM\_001144762) Human Untagged Clone**

#### **Product data:**

|               |  |
|---------------|--|
| Product Type: | Expression Plasmids                      |
| Product Name: | TLE2 (NM_001144762) Human Untagged Clone |
| Tag:          | Tag Free                                 |
| Symbol:       | TLE2                                     |
| Synonyms:     | ESG; ESG2; GRG2                          |
| Vector:       | <u>pCMV6 series</u>                      |



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001144762, the custom clone sequence may differ by one or more nucleotides

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ATGCAGCGACATTATGTCATGTATTATGAGATGTCGTACGGGCTCAACATTGAAATGCAT
AAGCAGGCGGAGATTGTGAAGCGTCTGAGCGGTATCTGCGCTCAGATTATCCCCTTCCTG
ACCCAGGAGCATCAGCAGCAGGTGCTCCAGGCCGTAGAACGCGCCAAGCAGGTCACCGTG
GGGAGCTGAACAGCCTCATCGGAGTGCATCTCCCTCGCCCCCTGAGAGTCTCGTGGAG
GAGGAGCGACCGAGTGGCCCTGGTGGCGGGAAGCAGAGAGCAGATGAGAAGGAGCCA
TCAGGACCTTATGAAAGCGACGAAGACAAGAGTGATTACAATCTGGTGGTGGACGAGGAC
CAACCCTCAGAGCCCCAGCCCGGCTACCACCCCTGCGGAAAGGTACCCATCTGCATT
CCTGCCCGTGGGACCTGGTGGACAGTCCAGCCTCCTTGGCCTCTAGCCTTGGCTCACCG
CTGCCTAGAGCCAAGGAGCTCATCTGAATGACCTTCCCGCCAGCACTCTGCCTCCAAA
TCCTGTGACTCTCCCGCCCCAGGACGCTTCCACCCCGGGCCAGCTCGGCCAGTAC
CTCTGCCAGCTTGTGCCAAGCCAGCACCTTCCACGGACAGCGTCCGCTGAGGAGCCCC
CTGACTCTGTCCAGTCCCTTACCACGTCCTTCCAGCCTGGGCTCCACAGCACTCTCAAC
GGAGACCTCTCCGTGCCAGCTCTACGTCAGCCTCCACCTGTCCCCCAGGTCAGCAGC
TCTGTGGTGTACGGACGCTCCCCCGTGTGGCATTGAGTCTATCCCCATCTCCGAGGG
TCATCCGTCTCTTCTCCCTACCCAGCATCCCTGGGGAAAGCCGGCCTACTCCTCCAC
GTGTCTGCGGACGGGAGATGCAGCCGTTCCCTTCCCCTCGGATGCACTGGTAGGCGCG
GGCATCCCGCGGCACGCCGGCAGCTGCACACGCTGGCCCATGGCGAGGTGGTCTGCGCG
GTCACCATCAGCGGCTCCACACAGCATGTGTACACGGGCGGCAAGGGCTGTGTGAAGGTG
TGGGACGTGGGCCAGCCTGGGGCAAGACGCCCGTGGCCAGCTCGACTGCCTGAACCGA
GACAACTACATTCTGTTCCATTTGGGACCTGGCGGCGCCACCCCGTATCAAGGCCGAG
CTGACTTCTCAGCCCCAGCCTGCTACGCCCTGGCCGTACGCCCGACGCCAAGGTTTGC
TTCTCCTGCTGCAGCGATGGCAACATTGTGGTCTGGGACCTGCAGAATCAGACTATGGTC
AGGCAGTTCAGGGCCACACGGACGGCGCCAGCTGCATTGATATTTCCGATTACGGCACT
CGGCTCTGGACAGGGGCTGGACAACACGGTGCCTGCTGGGACCTGCGGGAGGGCCGC
CAGCTGCAGCAGCATGACTTCAGCTCCCAGATTTCTCCCTGGGCCACTGCCCTAACCAG
GACTGGCTGGCGGTGCGAATGGAGAGTAGCAACGTGGAGATCCTGCACGTCGCAAGCCG
GAGAAATACCAGCTGCACCTCCACGAGAGCTGCGTGTCCCTGAAGTTTGCCTCTGC
GGACGGTGGTTTGTGAGCACCGGAAGGACAACCTGCTCAACGCTGGAGACGCGGTAC
GGGGCCAGCATTTTCCAGTCCAAGGAGTCGTCCTCAGTCCTGAGTTGTGACATCTCCAGA
AATAACAATAACATCGTGACAGGCTCGGGGGACAAGAAGGCCACCGTGTATGAGGTGGTC
TAC

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- Restriction Sites:** Please inquire
- ACCN:** NM\_001144762
- 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><a href="#">NM_001144762.1</a></u> , <u><a href="#">NP_001138234.1</a></u>   |
| <b>RefSeq Size:</b>           | 2299 bp   |
| <b>RefSeq ORF:</b>            | 1866 bp   |
| <b>Locus ID:</b>              | 7089  |
| <b>UniProt ID:</b>            | <u><a href="#">Q04725</a></u>   |
| <b>Cytogenetics:</b>          | 19p13.3   |
| <b>Protein Families:</b>      | Transcription Factors   |
| <b>Gene Summary:</b>          | <p>Transcriptional corepressor that binds to a number of transcription factors. Inhibits the transcriptional activation mediated by CTNNB1 and TCF family members in Wnt signaling. The effects of full-length TLE family members may be modulated by association with dominant-negative AES (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and has multiple coding region differences compared to variant 4. This results in a shorter isoform (2) with a shorter N-terminus compared to isoform 4.</p> |