

## Product datasheet for **SC337440**

### **TLE 1 (TLE1) (NM\_001303103) Human Untagged Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                              |
| Product Name:             | TLE 1 (TLE1) (NM_001303103) Human Untagged Clone |
| Tag:                      | Tag Free   |
| Symbol:                   | TLE1   |
| Synonyms:                 | ESG; ESG1; GRG1                                  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)                           |
| E. coli Selection:        | Kanamycin (25 ug/mL)                             |



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001303103, the custom clone sequence may differ by one or more nucleotides

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ATGTTCCCGCAGAGCCGGCACCCGACGCCGACCAGGCTGCAGGCCAGCCCTTCAAGTTCACATATCCCGG
AGTCCCTGGACCGGATTAAGAGGAATTCAGTTCCTGCAGGCCAGTATCACAGCCTTAAATTGGAATG
TGAGAACTGGCAAGTGAAGAGACAGAAATGCAGAGGCACTATGTGATGATTATGAAATGTCATATGGA
TTAAACATTGAAATGCACAAACAGACTGAAATCGCCAAGAGATTGAATACGATTTGTGCACAAGTCATCC
CATTTCTGTCTCAGGAACATCAACAACAGGTGGCCAGGCTGTTGAACGTGCCAAACAGGTGACCATGGC
AGAATTGAATGCCATCATCGGGGTACGTGGCTACCAGGTCTACCTCCTACACAGCAGCAGTTGCAAGCT
CAGCATCTTCTCATGGCCACGGACCCCGAGTTCCTTACGCTCACCCTTCGGGACTTCAGCCTCCTG
GAATCCCGCCCTCGGGGCGAGTCCCGGCTTCTTGCCTGTCTAGTGTCTGAGTGGGCGAGTCTCACTT
GGCAATAAAGATGACAAGAAGCACCACGATGCAGAGCACCACAGAGACAGAGAGCCGGGACAAGTAAT
TCCCTCCTGGTCCAGACAGTCTAAGAGGCACAGATAAACGCAGAAATGGACCTGAATTTTCCAATGACA
TCAAGAAAAGGAAGGTGGATGATAAGGACTCCAGCCACTATGACAGTGTGGTGACAAAAGCGATGACAA
CTTAGTTGTGGATGTGTCTAATGAGGACCTTCTTCTCCGCGAGCAAGCCCTGCCCACTCGCCCCGGGAA
AATGGAATCGACAAAATCGCCTGCTAAAGAAGGATGCTTCTAGCAGTCCAGTTCACAGGCCCTCCTCGG
CAAGTTCACCTTCTTGAATCCAAAGAAATGAGCTTGCATGAAAAGCCAGCAGCCTGTTCTGAAATC
CAGCACACCAACGCCCTCGGAGCGACATGCCAACGCCGGGACCAGCGCCACTCCAGGCCCTCGTCCAGGT
CTCGGCAAGCCTCCAGCCATAGACCCCTCGTTAACCAAGCGGCAGCTGGCTTGAGGACACCCCTGGCAG
TGCCCGGCCCATATCCTGCTCCTTTGGGATGGTCCCCACGCTGGCATGAACGGCGAGCTGACCAGCCC
AGGCGCTGCCTACGCCAGTTTACACAACATGTGCCCCAGATGAGCGCCGAGCCGCCGCGGCGCCGCTG
GTGGCTACGGGCGCTCCCCATGGTGGGTTTGATCCTCCCCCTCACATGAGAGTACCTACCATTCCTC
CAAACCTGGCAGGAATCCCTGGGGGAAACCTGCATACTCCTCCACGTTACTGCAGACGGTCAGATGCA
GCCTGTCCCTTTTCCCCCGACGCCCTCATCGGACCCGGAATCCCCGGCATGCTCGCCAGATCAACACC
CTCAACCACGGGAGGTGGTGTGCGCTGTGACCATCAGCAACCCACGAGACAGTGTACACAGGCGGGA
AGGGTGCCTCAAGTCTGGGACATCAGCCACCCTGGCAATAAGAGCCCTGTCTCCAGCTCGAGTGTCT
GAACAGAGACAATTATATCCGTTCTGTAATTTGCTACCCGATGGCTGCACTCTCATAGTGGGAGGGAA
GCCAGTACTTTGTCCATTTGGGACCTGGCGCTCAACCCCGCGCATCAAGGCGGAGCTGACGTCTCGG
CCCCCGCTGCTACGCCCTGGCCATCAGCCCCGATTCCAAGTCTGCTTCTCATGCTGCAGCGACGGCAA
CATCGCTGTGTGGATCTGCACAACCAGACACTAGTGAGGCAATCCAGGGCCACACAGACGGAGCCAGC
TGATTGACATTTCTAATGATGGACCAAGCTCTGGACGGGTGGTTTGGACAACACAGTCAAGTCCCTGGG
ACCTGCGCGAGGGGCGGAGCTGCAGCAGCAGCACTTACCTCCCAGATCTTCTCCTGGGGTACTGCC
CACCGGGGAGTGGCTGGCAGTGGCATGGAGAGCAGCAATGTGGAGGTGCTGCAGTGAACAAGCCTGAC
AAGTACCAGCTGCACCTGCATGAGAGCTGCGTGTGTCCCTGAAATTTGCTTACTGTGGTAAATGGTTTG
TGAGTACTGAAAAGATAACCTCCTCAATGCTTGGCGGACCCCTATGGAGCCAGCATATCCAGTCCAA
AGAGTCTCGTCAGTGTCTAGCTGTGACATCTCTGTGGATGATAAGTACATAGTCACTGGCTCGGGGAC
AAGAAGGTACAGTCTATGAAGTCATCTACTGA
    
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001303103

**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_001303103.1</a> , <a href="#">NP_001290032.1</a>   |
| <b>RefSeq Size:</b>           | 4167 bp   |
| <b>RefSeq ORF:</b>            | 2343 bp   |
| <b>Locus ID:</b>              | 7088  |
| <b>UniProt ID:</b>            | <a href="#">Q04724</a>  |
| <b>Cytogenetics:</b>          | 9q21.32   |
| <b>Protein Families:</b>      | Transcription Factors   |
| <b>Gene Summary:</b>          | <p>Transcriptional corepressor that binds to a number of transcription factors. Inhibits NF-kappa-B-regulated gene expression. Inhibits the transcriptional activation mediated by FOXA2, and 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. Unusual function as coactivator for ESRRG.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p> |