

## Product datasheet for **SC310123**

### TLE 1 (TLE1) (NM\_005077) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TLE 1 (TLE1) (NM\_005077) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TLE 1  
**Synonyms:** ESG; ESG1; GRG1  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL4  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_005077 edited  
ACCGCTGTGACTACTCTGGACTCGCCCCGAGAGTTTGCCCGCGGGGAGGGTGGCCGATT  
GGCGGAGCGCACTCCTGCTGTTTTCCCCACCATCTCGTGGATGTGTCCTCGGGTGGT  
AGAGAAGTTTGCAGTGGGCTGGAGCGCCCTTTGCGGAGAAGCACACGAAGGTGAAGGAAG  
GAAAGAAAGAAGACCGAGGAAGAAGGAGCTCGGAAGAAGGTCGGAGCGCCGGTCCGG  
CCGTGCAGGGCGAGTGCGCCGAGGCGCGGCCCTGATGCTCCCGGGCTCGAGGAGCA  
TTGGGCACTTGCGGGACTGCTCTCGGTGGAGTACCNCCGTGCGCCGGAAGGGTTTGTG  
CAACCGCGGAGACNACCGAGTGTGTCGACGGGGGGCGTGCCGAGCCGCTCCCGGGC  
CGCCCTCCGCACTTTCCCGCCTCGTCATCCGTCGCTCCCGGCCAGGAGCCTCCGCTG  
GTCTTCAACCTCGCTCCCTTTGCGTCCCGGGAGCCTGCGAGCACCCGGCGAAGGCGCA  
GCCGAATCTTGCAGGAGTGCAGCGAAAGCGTGGGTTTGTGTGGGTTAGCGGGGGCCG  
CCGCGCCACCTGCACCTCGCCCGCCGCGCCTCGGGGAAAGCCGAAGAGGAGCGGACC  
AGGAGAAGAGCAAAGAAAAGCAGTCCGTCTGGATTTGTTGCCCAGGACTGGCGCCGCGC  
ACGCGGATCGCCGAGGGGAGTGCAGTCCGAGTCAACCGCGCCCCGCTCCCGCCCGGGC  
AGCTGAGGCCGGGGTTGGAGCGCTGCCCGCGCACAGTCCCGAGCGCCGACGCTC  
CGCGCAGGTTCTGAAGCAGTGGGCTGGGGCGCCACTAATGTGGCCTGAGGGCCGG  
AGCCCGCACCGAGCGGGAGCGGGAGCCGGAGCAGTGCAGGCGCCGAGTGGCCGGTGC  
CGCGGAGCGCGCTGCGTGGCCAGCGCTCCCGCTTCTGCTTGGCTTCCGGCTTAA  
TTTTCTCGGCGGATTAAGTTGAAAATTGACCGGAGAATTGAGTTGCCGGGAAACAGA  
GCCCGCGCCGCCAGAGCGATGTTCCCGCAGAGCCGGCACCCGACCGCCACCGAGG  
GCAGGCCAGCCCTCAAGTTCACATCCCGGAGTCCCTGGACCGATTAAGAGGAATTC  
CAGTTCCTGCAGGCGCAGTATCACAGCCTTAAATTGGAATGTGAGAACTGGCAAGTGA  
AAGACAGAAATGCAGAGGCACTATGTGATGATTATGAAATGTCATATGGATTAACATT  
GAAATGCACAAACAGACTGAAATCGCCAAGAGATTGAATACGATTTGTGCACAAGTCATC  
CCATTTCTGTCTCAGGAACATCAACAACAGGTGGCCAGGCTGTTGAACGTGCCAAACAG  
GTGACCATGGCAGAATTGAATGCCATCATCGGGCAGCAGCAGTTGCAAGCTCAGCATCTT  
TCTCATGGCCACGGACCCCAAGTCCCTTACGCCTCACCTTCGGGACTTCAGCCTCCT



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GGAATCCCGCCCCCTCGGGGGCAGTGCCGGCCTTCTTGGCGTGTCTAGTGCTCTGAGTGGG  
 CAGTCTCACTTGGCAATAAAAGATGACAAGAAGCACCACGATGCAGAGCACCACAGAGAC  
 AGAGAGCCGGGCACAAGTAATCCCTCCTGGTCCCAGACAGTCTAAGAGGCACAGATAAA  
 CGCAGAAATGGACCTGAATTTTCCAATGACATCAAGAAAAGGAAGGTGGATGATAAGGAC  
 TCCAGCCACTATGACAGTGTGGTGACAAAAGCGATGACAACCTTAGTTGTGGATGTGTCT  
 AATGAGGACCCTTCTTCTCCGCGAGCAAGCCCTGCCACTCGCCCCGGGAAAATGGAATC  
 GACAAAAATCGCCTGCTAAAGAAGGATGCTTCTAGCAGTCCAGCTTCCACGGCCTCCTCG  
 GCAAGTTCCACTTCTTTGAAATCCAAGAAATGAGCTTGCAAGAAAAGCCAGCAGCCT  
 GTTCTGAAATCCAGCACACCAACGCCTCGGAGCGACATGCCAACGCCGGGACCAGCGCC  
 ACTCCAGGCCTCCGTCCAGGTCTCGGCAAGCCTCCAGCCATAGACCCCCTCGTTAACCA  
 GCGGCAGCTGGCTTGAGGACACCCTGGCAGTGCCCGGCCATATCCTGCTCCTTTTGGG  
 ATGGTCCCCCAGCTGGCATGAACGGCGAGCTGACCAGCCAGGCGCTGCCTACGCCAGT  
 TTACACAACATGTCGCCCAGATGAGCGCCGAGCCGCCGCGCCGCGCTGGTGGCTAC  
 GGGCGCTCCCCATGGTGGGTTTGTATCCTCCCCCTCACATGAGAGTACCTACCATTCT  
 CCAAACCTGGCAGGAATCCCTGGGGGAAACCTGCATACTCCTTCCACGTTACTGCAGAC  
 GGTGAGATGCAGCCTGTCCCTTTTCCCCCGACGCCCTCATCGGACCCGGAATCCCCCGG  
 CATGCTCGCCAGATCAACACCCTCAACCACGGGGAGGTGGTGTGCGCTGTGACCATCAGC  
 AACCCACGAGACACGTGTACACAGCGGGAAGGGCTGCGTCAAGGTCTGGGACATCAGC  
 CACCCTGGCAATAAGAGCCCTGTCTCCAGCTCGACTGTCTGAACAGAGACAATTATATC  
 CGTTCCTGTAAATTGCTACCCGATGGCTGCACTCTCATAGTGGGAGGGAAAGCCAGTACT  
 TTGTCCATTTGGGACCTGGCGCTCCAACCCCGCGCATCAAGCGGAGCTGACGTCTCG  
 GCCCCCGCCTGCTACGCCCTGGCCATCAGCCCCGATTCCAAGGTCTGCTTCTCATGCTGC  
 AGCGACGGCAACATCGCTGTGTGGGATCTGCACAACCAGACACTAGTGAGGCAATCCAG  
 GGCCACACAGACGGAGCCAGCTGTATTGACATTTCTAATGATGGCACCAAGCTCTGGACG  
 GGTGGTTTGGACAACACAGTCAGGTCTGGGACCTGCGCGAGGGGCGGCAGCTGCAGCAG  
 CACGACTTCACCTCCCAGATCTTCTCCCTGGGGTACTGCCCCACCGGGGAGTGGTGGCA  
 GTGGGCATGGAGAGCAGCAATGTGGAGGTGCTGCACGTGAACAAGCCTGACAAGTACCAG  
 CTGCACCTGCATGAGAGCTGCGTGTGCTGCTGAAATTTGCTTACTGTGGTAAATGGTTT  
 GTGAGTACTGGAAAAGATAACCTCCTCAATGCTTGGCGGACCCCTATGGAGCCAGCATA  
 TTCCAGTCCAAAAGAGTCCCTCGTCAGTGTAGCTGTGACATCTCTGTGGATGATAAGTAC  
 ATAGTCACTGGCTCGGGGACAAGAAGGCTACAGTCTATGAAGTCATCTACTGAAAACAT  
 TATGTGGTTTAAAGTTTATAGTTGAATTGGGCCAAAATGTTTCGAATTTATAGAAATAGA  
 AAAGTTGTAACTTTAAAAGAGAAAAAAATTAACAACACCTGTTTCCAAAACCTTGACAGA  
 AAATACTTTTGTAGTCTACAAAGAGGAGGCGACAAGTCCATCAGCAGAAAATCACCTGTCT  
 ACATAGACCAAAATGGAGCACCAAGGCCAAGCGGACAGAGGGGCCATGGGTTGTAGGATTG  
 AGGAACGGAACTGCCGACTCACATGACAGCCATTCTTTCTTTCTGGGTGATCTGGGGA  
 TCACGCCCTGCCAAGTGTGAGATTACCTTTCTGTTCTTGCAGTTCACCTCACTTTCCG  
 TCCTTTGTAGAGCAGTGGTGTCTCCAATGAACTTGTTCCTGGTTTTGCACTTTGTGAAA  
 GTTTTTTTGTATTTTGTGAAGGTTAAACATTTGTATAAATTGTAATATATTTGGTT  
 TATTACAGTAAAGGCTTTAGTACCAATAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_005077 unedited  
 NTGGGNCTTAGCTGCTTGTAAACATTGCGGCCTTGGCGCCCACTATGTGCCCTGAGGCCG  
 GAGCCCGCACCGACGGGAGCGGGAGCCGTGACAGCTGCGGGCGCCTAGTGGCCGGTGCTC  
 CCGGGGAGCGCGCGTGCCTGGCCAGCGCGCTCCCCGCTTCTGCTTGGCTTTCCGGCTTA  
 ATTTTCTCGGCGGGATTAAGTTGAAATTGACCGGATAATTGTGTTGCCGGGGAACAG  
 AGCCCCGGCCGCCAGAGCGATGTTCCCGCAGAGCCGGCTCCCGACGCCGACCATGC  
 TGCAGGCCAGCCCTTCAAGTTCACATATCCTGGATTCCCTGGACCGGATTAAGAGAATT  
 CCAGTTCTGCGGGCGCAGTATCACATCCTTTAAATTGGAATGTGAGAACTGGGCTGTC  
 GACAGACTGAACTGCTCAGCCCTATGTGATGGTTTATGAAATGTCATATTGGATTAACCA  
 TTGGAATGCACAACTAGACTTTTATCGTCTAGCAGTTTAAATCCCATTTTTTTCCCATGTA  
 TTCACTTATTTTGTGTTTGAACTTTATAGCCAGGTGGCCCCAGACTATTTTTCTGCCA  
 AGCAGTGTCCAAGGCTTGATTTGAATCCTTGCTTCGTCATAGAAAAATTCATATCTAT  
 GATTTGATCTCTTGGTAGTGGCGCCATTTTCTTTTTACACCTATTTCTATGAGAGT  
 CTTCTACTCTATAAGATAAACACTTACATTATGGAGTGATGTCCAGGNAATATATCT  
 AATCGTCTACTATCATTCTCGTTCACCAGCATACTCCCCCTCGCTGACCCATGTTATAT  
 GTCAGGAGCACCCTTTTGTTGTCTCTATATATGTGCATGGTTAGTATTAACAACAAA  
 TAACAATCGCATACATACCCAACCAATAAATACT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_005077 unedited  
 TTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATTGGTACTAAAGCCTTTACTGTAATAAA  
 CCAAAATATATTTACAATTTATACAAATGTTAACCTTCAACAAAAATACAAAAAACATT  
 TCACAAGATGCAAAACCAGGAAACAAGTTCATTGGAGACACCACTGCTCTACAAAGGACG  
 GAAAGTGAGGTGAACTGCAAGGAACAGAAAGGTAATCTCACACTTGGGCAAGGCGTGATC  
 CCCAGATCACCCAGAAAGAAAGAAATGGGCTGTCATGTGAGTCGGCAGATTCCGTTCTCA  
 ATCCTACAACCCATGGCCCTCTGTCCGCTTGGCCTTGGTGCTCCATTTGGTCTATGTAG  
 ACAGGTGACTTTCTGCTGATGGACTTGTGCCTCCTCTTTGTAGACTCAAAGTAGTTTTTC  
 GTCAAGGTTTGGAAACAGGCGTTGTAATTTTTTTTTCTTTTTAAAGTTACAACCTTTTC  
 TATTTCTATAAATTCGAAACATTTTGGCCAATTCAACTATAAACGTTAAACCACATAAT  
 GTTTTCAGTAGATGACTTCATAGACTGTAGCCTTCTTGTCCCGGAGCCAGTGACTATGT  
 ACTTATCATCCACAGAGATGTCACAGCTAACCACTGACGAGGACTTTTTGAACCTGAATA  
 TGCTGGCTCCATAAGGGGTCCCCCACCATTGAAGACGTTATTCTTTCCAGTCTCCAAA  
 CCATTTACCCAGAAAGGCAATTTCAAGGACAGCCGCCCTTTCATGCCGGTGCCTGGGA  
 CTTCCAAGCTTGTAACTGCAAAACCTCCAATGGTGTCTTCCCAATGCCACCACTCCC  
 GGTGGGCATACCCCGTAAAAAATTGGAGGGATTCTGCTTCCGCCGGCCCCCTCCCGAG  
 GCCCAGACCGGACTGTGTTCAAACAACGTGCAGACTGGGGCCACATTTAAATCCATACAC  
 GTGTTCTTTGCTGCCCGCTAATTTTTATTN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_005077

**Insert Size:**

4000 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).

**OTI Annotation:**

The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

**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_005077.3</a> , <a href="#">NP_005068.2</a>
<b>RefSeq Size:</b>	3283 bp
<b>RefSeq ORF:</b>	2313 bp
<b>Locus ID:</b>	7088
<b>UniProt ID:</b>	<a href="#">Q04724</a>
<b>Cytogenetics:</b>	9q21.32
<b>Domains:</b>	WD40, TLE_N
<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 (2) uses an alternate in-frame splice site compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>