

## Product datasheet for **SC118085**

### **TLE2 (NM\_003260) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TLE2 (NM_003260) Human Untagged Clone
Tag:	Tag Free
Symbol:	TLE2
Synonyms:	ESG; ESG2; GRG2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_003260, the custom clone sequence may differ by one or more nucleotides

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ATGTACCCCCAGGGAAGGCACCCGACCCCGCTCCAGTCCGGCCAGCCCTCAAGTCTCGATCTTGGAGA
TCTGCGACCGCATCAAAGAAGAATTCCAGTTTCTTCAGGCTCAATACCACAGCCTCAAGCTAGAATGTGA
GAAGCTGGCCAGCGAGAAGACGAAATGCAGCGACATTATGTCATGTATTATGAGATGTCGTACGGGCTC
AACATTGAAATGCATAAGCAGGCGGAGATTGTGAAGCGTCTGAGCGGTATCTGCGCTCAGATTATCCCT
TCTGACCCAGGAGCATCAGCAGCAGGTGCTCCAGGCCGTAGAACCGCCAAAGCAGGTACCCGTGGGGGA
GCTGAACAGCCTCATCGGGCAGCAGCTCCAGCCGTGTCCACCACGCACCCCTGTGCCCTCACCCCC
CGCCAGCCGGGCTGGTGGGCGGAGTGTACGGGCTGCTTGTCTGTCTGGAGCCCTGGCTGCCCAGG
CTCAGTGGCGGGCTGTCAAGGAGGACCGTGCGGGCTGGAGGCCGAGGGTCCAGAGTGGAGAGAGC
CCCAGCAGGAGTGCATCTCCCTCGCCCTGAGAGTCTCGTGGAGGAGGAGCGACCGAGTGGCCCTGGT
GGTGGCGGGAAGCAGAGAGCAGATGAGAAGGAGCCATCAGGACCTTATGAAAGCGACGAAGACAAGAGT
ATTACAATCTGGTGGTGGACGAGGACCAACCTCAGAGCCCCCAGCCCGCTACCACCCCTGCGGAAA
GGTACCATCTGCAATTCCTGCGCGTCCGGACCTGGTGGACAGTCCAGCCTCCTTGGCCTCTAGCCTTGGC
TACCCGCTGCCTAGAGCCAAGGAGCTCATCCTGAATGACCTTCCCGCCAGCACTCCTGCCTCCAAATCCT
GTGACTCCTCCCCGCCCAGGACGCTTCCACCCCGGGCCAGCTCGGCCAGTACCTCTGCCAGTTGC
TGCCAAGCCAGCACCTTCCACGGACAGCGTGCCTGAGGAGCCCCCTGACTCTGTCCAGTCCCTTACC
ACGTCTTCAGCCTGGGCTCCCACAGCACTCTCAACGGAGACCTTCCGTGCCAGCTCTACGTAGCC
TCCACCTGTCCCCCAGGTCAGCAGCTCTGTGGTGTACGGACGCTCCCCCGTGTGGCATTGAGTCTCA
TCCCCATCTCCGAGGGTATCCGTCTCTCCTCCCTACCCAGCATCCCTGGGGAAAGCCGGCCTACTCC
TTCCAGTGTCTGCGGACGGGACAGATGCAGCCGTTCCCTTCCCTCGGATGCACTGGTAGGCGGGGCA
TCCCGCGCACGCCCCGAGCTGCACACGCTGGCCATGGCGAGGTGGTCTGCGCGGTACCCATCAGCGG
CTCCACACAGCATGTGTACACGGCGGCAAGGGCTGTGTGAAGGTGTGGGACGTGGGCCAGCCTGGGGCC
AAGACGCCGTGGCCAGCTCGACTGCCTGAACCGAGACAACCTACATTCTGTTCTGCAAGTTGTGCCGG
ATGGCCGAGTCTGATCGTGGGCGGTGAGGCCAGCACCTTGTCCATTTGGGACCTGGCGGCGCCACCCC
CCGTATCAAGGCCGAGCTGACTTCTCAGCCCCAGCTGCTACGCCCTGGCCGTAGCCCCGACGCCAAG
GTTTGCTTCTCCTGCTGCAGCGATGGCAACATTGGTCTGGGACCTGCAGAATCAGACTATGGTCAGGC
AGTTCCAGGGCCACACGGACGGCGCCAGCTGCATTGATATTTCCGATTACGGCACTCGGCTCTGGACAGG
GGGCTGGACAACACGGTGCCTGCTGGGACCTGCGGGAGGGCCGCCAGCTGCAGCAGCATGACTTCAGC
TCCCAGATTTTCTCCCTGGGCCACTGCCCTAACCCAGGACTGGCTGGCGGTGCGAATGGAGAGTAGCAACG
TGGAGATCCTGCACGTCCGCAAGCCGGAGAAATACCAGCTGCACCTCCACGAGAGCTGCGTGTCTCCCT
GAAGTTTGCTCCTGCGGACGGTGGTTTGTGAGCACCGGGAAGGACAACCTGCTCAACGCCTGGAGGACG
CCGTACGGGGCCAGCATTTTCCAGTCCAAGGAGTGTCTCAGTCTGAGTTGTGACATCTCCAGAAATA
ACAAATACATCGTGACAGGCTCGGGGGACAAGAAGGCCACCGTGTATGAGGTGGTCTACTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_003260 unedited  AAATTTGTATACGACTACTATAGGGCGGCCGGAATTCGCACGAGGCCGCTTCTCCCTCC  TCCCTCTTTCTTCGGGCAGCCTCCCCACCACCCCACTTACGCCTCCCCACTCTTGCCGC  CTCCATATCATCAAGCTCTGGTGGCGCCTGGGGGGCTTTTCGGATCGGCAGGATGTACCC  CCAGGGAAGGCACCCGACCCCGCTCCAGTCCGGCCAGCCCTTCAAGTTCTCGATCTTGA  GATCTGCGACCGCATCAAAGAAGAATTCAGTTTCTTCAGGCTCAATACCACAGCCTCAA  GCTAGAATGTGAGAAGCTGGCCAGCGAGAAGACGAAATGCAGCGACATTATGTCATGTA  TTATGAGATGTCGTACGGGCTCAACATTGAAATGCATAAGCAGGCGGACATTGTGAAGCG  TCTGAGCGGTATCTGCGCTCAGATTATCCCTTCTGACCCAGGAGCATCAGCAGCAGGT  GCTCCAGGCCGTAGAACGCGCAAGCAGGTCACCGTGGGGGAGCTGAACAGCCTCATCGG  GCAGCAGCAGCTCCAGCCGCTGTCCCACCACGCACCCCTGTGCCCTCACCCCCGCC  AGCCGGGTGGTGGGCGCAGTGTACGGGGCTGCTTGTCTGTGAGCCCTGGCTGC  CCAGGCTCAGTGGCGCGGCTGTCAAGGAGGACCGTGCGGGCGTGGAGGCCGAGGGTC  CAAAGTGGAGAGACCCCGAGCAGGAGTGCATCTCCCTCGCCCTGAGAGTCTCGTGA  GGGAGAGCGACCGAGTGGCCCTNGGTGGTGGCGNNAGCANAGAGCANATGAGAAGGAGC  CATCANGACCTTTATGAAGCGACGAAGACCAGAGTGATA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_003260 unedited  TGACCGCGGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTGTGATAGATACATTT  TATTTCCACCGAGGTCCCTGCCATCGGCCCCACATGCAGCAGGGGAAGGTGTGAAGC  CGTTGGCCAGAGAGCAGATGGGATGTACGGTTCCTAGGCAGGGCTGGGAGCGGCTGCTA  GGATGTCTGTCCGGCTGCTGATTCCCCTGGGAGTCTGGACTTCGGGTACAGGAAGGGGG  GTCATGTCTCAGTAGACCACCTATACACGGTGGCCTTCTGTCCCCGAGCCTGTCACG  ATGATTTTGTATTTCTGGAGATGTCACAACCTCAGGACTGAGGACGACTCCTTGGACTGG  AAAATGTGGCCCGTACGGCGTCTCCAGGCGTTGAGCAGGTTGTCTTCCCGGTGCTC  ACAAACCACCGTCCGAGGAGGCAAACTTCAGGGACAGCAGCAGCTCTCGTGGAGGTGC  AGCTGGTATTTCTCCGGCTTGGCGACGTGCAGGATCTCCACGTTGCTACTCTCCATTCCG  ACCGCCAGCCAGTCCCTGGTTAGGGCAGTGGCCAGGGAGAAAATCTGGGAGCTGAAGTCA  TGCTGTGCAGCTGGCGGCCCTCCGCAGGTCCCAGCAGCGCACCGTGTGTCCAGGCC  CCTGTCCAGAGCGAGTCCGTAATCGAAATATCAATGCAGCTGGCGCCGTCGCTGG  CCCTGGAACTGCCTGACCATAGTCTGATTCTGCAGGTCCCAGACCACATGTTGCCATCG  CTGCAGCAGGAGAAAGCAACCTTGGCGTNGGGCTGACGGCCANGCGTAACAAGCTGGGG  CTGANGAANNTCACTCGCTGCGCGNGGGGGGGGGCCCCCAAGTTCCAATGGACACAG  GGGCTGTCTACCGCCACATCAGACTCCGGCATTG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003260
<b>Insert Size:</b>	2800 bp
<b>OTI Disclaimer:</b>	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).
<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_003260.3</a> , <a href="#">NP_003251.2</a>
<b>RefSeq Size:</b>	2579 bp
<b>RefSeq ORF:</b>	2232 bp
<b>Locus ID:</b>	7089
<b>UniProt ID:</b>	<a href="#">Q04725</a>
<b>Cytogenetics:</b>	19p13.3
<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 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 (1) uses an alternate in-frame splice site in the 5' coding region, compared to variant 4. It encodes isoform 1, which is shorter by an amino acid, compared to isoform 4.</p>