

## Product datasheet for **SC318250**

### **TLE4 (NM\_007005) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TLE4 (NM_007005) Human Untagged Clone
Tag:	Tag Free
Symbol:	TLE4
Synonyms:	BCE-1; BCE1; E(spl); E(spl); ESG; ESG4; Grg-4; GRG4
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_007005 edited  
 ATGATTCGCGACCTGAGCAAGATGTACCCGACAGACCAGACACCCGGCACCAGCATCAGCCT  
 GCTCAACCCCTTTAAATTTACAATTTCCGAATCCTGTGATCGGATTAAGGAAGAGTTTCAG  
 TTTTTACAGGCTCAATACCACAGTCTGAAGCTGGAATGTGAGAACTCGCCAGTGAGAAG  
 ACAGAGATGCAGCGGCATTATGTCATGTATTATGAAATGTCCTATGGGTTGAATATAGAA  
 ATGCACAAGCAGGCAGAGATTGTCAAGAGGCTGAATGCTATCTGTGCACAAGTCATTCTCT  
 TTCCTGTCCCAAGAGCACCAGCAACAAGTGGTGCAGGCTGTGGAACGGGCCAAGCAGGTG  
 ACCATGGCAGAACTGAACGCCATCATTGGGCAACAACCTCAGGCCAGCATTTATCACAT  
 GGACATGGTCTCCCCGTACCTCTGACTCCACACCCTTCAGGGCTCCAGCCCCCTGCCATT  
 CCACCCATCGGTAGCAGTGCCGGGCTTCTGGCCCTCTCCAGTGCTCTAGGAGGTCAGTCC  
 CATCTTCCAATTAAGATGAGAAGAAGCACCATGACAATGATCACCAAAGAGACAGAGAC  
 TCCATCAAGAGCTCTTCAGTATCCCCATCAGCCAGTTTCCGAGGTGCTGAGAAGCACAGA  
 AACTCCGAGACTACTCCTCAGAGAGCAAAAAGCAGAAAACCTGAAGAAAAGGAAATTGCA  
 GCTCGTTATGACAGCGATGGTGAGAAAAGTGATGACAACCTGGTGGTTGACGTTTCCAAT  
 GAGGATCCATCTTCCCCTCGAGGGAGCCAGCACATTCCCCAGAGAGAATGGCCTAGAC  
 AAGACACGCCTGTCAAGAAAGATGCCCCGATTAGTCCAGCCTCTATTGCATCTTCCAGC  
 AGTACTCCCTCCTCCAAATCCAAAGAACTTAGCCTTAATGAAAAATCTACTACTCCCGTC  
 TCAAAGTCCAATACCCCTACTCCACGAAGTATGCGCCACCCAGGAGTAACTCTACT  
 CCCGGATTGAGGCCTGTACCTGGAAAACACCAGGAGTTGACCCTTTGGCCTCAAGCCTA  
 AGGACCCCAATGGCAGTACCTTGTCCATATCCAACCTCATTGGGATTGTGCCCCATGCT  
 GGAATGAACGGAGAGCTGACCAGCCCGGAGCGGCCTACGCTGGGCTCCACAACATCTCC  
 CCTCAGATGAGCGCAGCTGCTGCCGCCCGCTGCTGCTGCCTATGGGAGATACCA  
 GTGGTGGGATTTGATCCACACCATCACATGCGTGTGCCAGCAATACCTCCAAACCTGACA  
 GGCAATCCAGGAGGAAAACAGCATACTCCTTCCATGTTAGCGCAGATGGTCAGATGCAG  
 CCTGTCCCTTTTCCACCCGACGCCCTCATCGGACCTGGAATCCCCCGGCATGCTCGCCAG  
 ATCAACACCCTCAACCACGGGGAGGTGGTGTGCGCGGTGACCATCAGCAACCCACGAGA  
 CACGTGTACACGGGTGGGAAGGGCTGCGTCAAGGTCTGGGACATCAGCCACCCAGGCAAT  
 AAGAGTCTGTCTCCAGCTCGACTGTCTGAACAGGGATAACTACATCCGTTCTCTGCAGA  
 TTGCTCCCTGATGGTTCGACCCTAATTGTTGGAGGGGAAGCCAGTACTTTGTCCATTTGG  
 GACCTGGCGGCTCAACCCACGCATCAAGGCAGAGCTGACATCCTCGGCCCCCGCTGC  
 TATGCCCTGGCCATCAGCCCCGATTCCAAGGTCTGCTTTCATGTGTCAGCGACGGCAAC  
 ATCGCTGTGTGGGATCTGCACAACCAGACCTTGGTGGGCAATCCAGGGCCACACAGAT  
 GGAGCCAGCTGTATTGACATTTCTAATGATGGACCAAGCTCTGGACAGGTGGTTTGGAC  
 AACACGGTCAGGTCTGGGACCTGCGCGAGGGGCGGCAGCTGCAGCAGCAGACTTCACC  
 TCCCAGATCTTTTCTCTGGGCTACTGCCAACTGGAGAGTGGCTTGACAGTGGGGATGGAG  
 AACAGCAATGTGGAAGTTTTGCATGTCACCAAGCCAGACAAAATACCAACTACATCTTCAT  
 GAGAGCTGTGTGCTGTGCTCAAGTTTGGCCATTGTGGCAATGGTTTGTAAAGCACTGGA  
 AAGGACAACCTTCTGAATGCCTGGAGAACCTTATGGGGCCAGTATATCCAGTCCAAA  
 GAATCCTCATCGGTGCTTAGCTGTGACATCTCCGTGGACGACAAAATACATTGTCACTGGC  
 TCTGGGATAAGAAGGCCACAGTTTATGAAGTTATTTATTAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_007005

**Insert Size:** 2300 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).

<b>OTI Annotation:</b>	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.
<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_007005.3</a> , <a href="#">NP_008936.2</a>
<b>RefSeq Size:</b>	4749 bp
<b>RefSeq ORF:</b>	2322 bp
<b>Locus ID:</b>	7091
<b>UniProt ID:</b>	<a href="#">Q04727</a>
<b>Cytogenetics:</b>	9q21.31
<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 PAX5, 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. Essential for the transcriptional repressor activity of SIX3 during retina and lens development and for SIX3 transcriptional auto-repression (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon in the coding region compared to variant 1. It encodes isoform 3 which is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>