

## Product datasheet for **SC337258**

### **TLE4 (NM\_001282753) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TLE4 (NM_001282753) 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:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001282753, the custom clone sequence may differ by one or more nucleotides

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ATGATTCCGGACCTGAGCAAGATGTACCCGCAGACCAGACACCCGGCACCGCATCAGCCTGCTCAACCCCT
TTAAATTTACAATTTCCGAATCCTGTGATCGGATTAAGGAAGAGTTTCAGTTTTTACAGGCTCAATACCA
CAGTCTGAAGCTGGAATGTGAGAACTCGCCAGTGAGAAGACAGAGATGCAGCGCATTATGTCATGTAT
TATGAAATGTCTATGGGTTGAATATAGAAATGCACAAGCAGGCAGAGATTGTCAAGAGGCTGAATGCTA
TCTGTGCACAAGTCATTCTTTCTGTCCCAAGAGCACCAGCAACAAGTGGTGCAGGCTGTGGAACGGGC
CAAGCAGGTGACCATGGCAGAACTGAACGCCATCATTGGGCAACAACCTCCAGGCCAGCATTATACAT
GGACATGGTCTCCCCGTACCTCTGACTCCACACCCCTTCAGGGCTCCAGCCCCCTGCCATTCCACCCATCG
GTAGCAGTGCCGGGCTTCTGGCCCTCTCCAGTGTCTAGGAGTTCAGTCCCATCTTCCAATTAAGATGA
GAAGAAGCACCATGACAATGATACCAAAGAGACAGAGACTCCATCAAGAGCTCTTCAGTATCCCCATCA
GCCAGTTTCCGAGGTGCTGAGAAGCACAGAACTCCGCAGACTACTCCTCAGAGAGCAAAAAGCAGAAAA
CTGAAGAAAAGGAAATTGCAGCTCGTTAATGAAAAATCTACTACTCCCGTCTCAAAGTCCAATACCCC
TACTCCAGAACTGATGCGCCCACCCAGGCAGTAACTCTACTCCCGATTGAGGCTGTACCTGGAAAA
CCACCAGGAGTTGACCCCTTGGCCCTCAAGCCTAAGGACCCCAATGGCAGTACCTGTCCATATCCAACTC
CATTTGGGATTGTGCCCATGCTGGAATGAACGGAGAGCTGACCAGCCCCGGAGCGGCCTACGCTGGGCT
CCACAACATCTCCCTCAGATGAGCGCAGCTGCTGCCGCCCGCTGCTGCTGCTGCCTATGGGAGATCA
CCAGTGGTGGGATTTGATCCACACCATCACATGCGTGTGCCAGCAATACCTCAAACCTGACAGGCATTC
CAGGAGGAAAACCAGCATACTCCTTCCATGTTAGCGCAGATGGTCAGATGCAGCCTGTCCCTTTCCACC
CGACGCCCTCATCGACCTGGAATCCCCGGCATGCTCGCCAGATCAACACCCCTCAACCACGGGGAGGTG
GTGTGCGCGGTGACCATCAGCAACCCACGAGACAGTGTACACGGGTGGGAAGGCTGCGTCAAGTCT
GGGACATCAGCCACCCAGGCAATAAGAGTCTGCTCCAGCTCGACTGTCTGAACAGGGATAACTACAT
CCGTTCTGCAGATTGCTCCCTGATGGTGCACCCCTAATTGTTGGAGGGGAAGCCAGTACTTTGTCCATT
TGGGACCTGGCGGCTCCAACCCACGCATCAAGGCAGAGCTGACATCCTCGGCCCCCGCCTGCTATGCC
TGGCCATCAGCCCCGATTCCAAGGTCTGCTTCTCATGCTGCAGCGACGGCAACATCGCTGTGTGGGATCT
GCACAACCAGACCTTGGTGGGCAATTCAGGGCCACACAGATGGAGCCAGCTGTATTGACATTTCTAAT
GATGGCACCAAGCTCTGGACAGGTGGTTTGACAACACGGTCAGGTCTGGGACCTGCGCGAGGGGGCGG
AGCTGCAGCAGCAGACTTCACCTCCAGATCTTTTCTCTGGGCTACTGCCCACTGGAGAGTGGCTTGC
AGTGGGATGGAGAACAGCAATGTGGAAGTTTTGCATGTACCAAGCCAGACAAATACCAACTACATCTT
CATGAGAGCTGTGTGCTGTGCTCAAGTTTGCCATTGTGGCAAATGTTTGAAGCACTGGAAAGGACA
ACCTTCTGAATGCCTGGAGAACACCTTATGGGGCCAGTATATTCCAGTCCAAAGAATCCTCATCGGTGCT
TAGCTGTGACATCTCCGTGGACGACAAATACATTGCTACTGGCTCTGGGGATAAGAAGGCCACAGTTTAT
GAAGTTATTTATTAA
    
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001282753

**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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_001282753.1](#), [NP\\_001269682.1](#)

**RefSeq Size:** 4871 bp

**RefSeq ORF:** 2115 bp

**Locus ID:** 7091

**UniProt ID:** [Q04727](#)

**Cytogenetics:** 9q21.31

**Protein Families:** Transcription Factors

**Gene Summary:** 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]

Transcript Variant: This variant (4) lacks three alternate in-frame exons in the coding region compared to variant 1. It encodes isoform 4 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.