

Product datasheet for **SC337103**

TLE4 (NM_001282760) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLE4 (NM_001282760) 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)

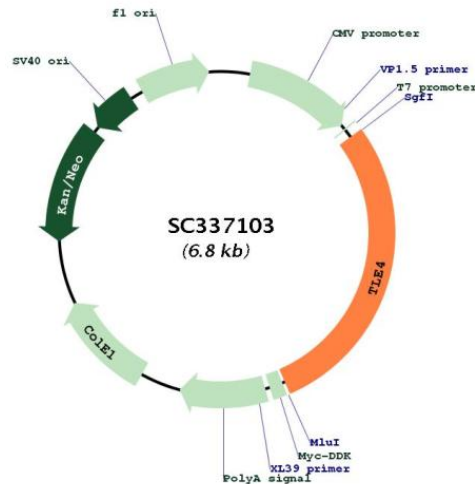


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Fully Sequenced ORF: >SC337103 representing NM_001282760.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAGAAGTGAACGCCATCATTGGGCAACAACCTCCAGGCCAGCATTATCACATGGACATGGTCTC
CCCGTACCTCTGACTCCACACCCTTCAGGGCTCCAGCCCCCTGCCATTCCACCCATCGGTAGCAGTGCC
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GGAAGGACAACCTTCTGAATGCCTGGAGAACACCTTATGGGGCCAGTATATTCCAGTCCAAGAATCC
TCATCGGTGCTTAGCTGTGACATCTCCGTGGACGACAAATACATTGTCAGTGGCTCTGGGATAAGAAG
GCCACAGTTTATGAAGTTATTTATAA
ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001282760

Insert Size: 1959 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).

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_001282760.1](#)

RefSeq Size: 5173 bp

RefSeq ORF: 1959 bp

Locus ID: 7091

Cytogenetics: 9q21.31

Protein Families: Transcription Factors

MW: 69.4 kDa

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 (5) uses an alternate exon in the 5' UTR and lacks an alternate in-frame exon in the coding region which results in the use of a downstream start codon compared to variant 1. It encodes isoform 5 which has a shorter N-terminus compared the 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.