

## Product datasheet for **RC239546**

### **TLE 1 (TLE1) (NM\_001303103) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TLE 1 (TLE1) (NM_001303103) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TLE1
Synonyms:	ESG; ESG1; GRG1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>RC239546 representing NM\_001303103  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTTCCCGCAGAGCCGGCACCCGACCCGACCCGACCCAGGCTGCAGGCCAGCCCTTCAAGTTCACTATCCCGG  
AGTCCCTGGACCGGATTAAGAGGAATTCAGTTCCTGCAGGCGCAGTATCACAGCCTTAAATTGGAATG  
TGAGAACTGGCAAGTGAAGAGACAGAAATGCAGAGGCACTATGTGATGTATTATGAAATGCATATGGA  
TAAACATTGAAATGCACAAACAGACTGAAATCGCCAAGAGATTGAATACGATTTGTGCACAAGTCATCC  
CATTTCTGTCTCAGGAACATCAACAACAGGTGGCCAGGCTGTTGAACGTGCCAAACAGGTGACCATGGC  
AGAATTGAATGCCATCATCGGGTACGTGGCTACCAGGTCTACCTCCTACACAGCAGCAGTTGCAAGCT  
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GAATCCCGCCCTCGGGGCGAGTCCCGCTTCTTGCCTGTCTAGTGCTCTGAGTGGGCGAGTCTCACTT  
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TCAAGAAAAGGAAGGTGGATGATAAGGACTCCAGCCACTATGACAGTGATGGTGACAAAAGCGATGACAA  
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CTCGGCAAGCTCCAGCCATAGACCCCTCGTTAACCAAGCGGCGAGTGGCTTGAAGACACCCCTGGCAG  
TGCCCGGCCATATCCTGCTCTTTGGGATGGTCCCCACGCTGGCATGAACGGGCGAGTGAACGCCCC  
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GTGGCCTACGGGCGCTCCCCATGGTGGGTTTGTATCCTCCCCCTCACATGAGAGTACCTACCATTCTC  
CAAACCTGGCAGGAATCCTGGGGGAAACCTGCATACTCTCCACGTTACTGCAGACGGTGCAGATGCA  
GCCTGTCCCTTTCCCGGACGCCCTCATCGGACCCGGAATCCCCGGCATGCTCGCCAGATCAACACC  
CTCAACCAGGGGAGGTGGTGTGCGCTGTGACCATCAGCAACCCACGAGACAGTGTACACAGGCGGGA  
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GAACAGAGACAATTATACCGTTCCTGTAATTTGCTACCCGATGGCTGCACTCTCATAGTGGGAGGGAA  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239546 representing NM\_001303103  
 Red=Cloning site Green=Tags(s)

MFPQSRHPTPHQAAGQPFFKFTIPESLDRIKEEFQFLQAQYHSLKLECEKLAASEKTEMQRHYVMYEMSYG  
 LNIEMHKQTEIAKRLNTICAQVIPFLSQEHQQQVAQVERAKQVTMAELNAIIGVRGLPGLPPTQQQLQA  
 QHL SHGHGPPVPLTPHPSGLQPPGIPPLGGSAGLLALSSALSGQSHLAIKDDKKHDAEHHRDREPGETSN  
 SLLVPDSL RGTDKRRNGPEFSNDIKKRKVDKDS SHYSDGDKSDDNLVVDVSNEDPSSPRASPAHSPRE  
 NGIDKNRLLKKDASSPASTASSASSTSLKSKEMSLHEKASTPVLKSSTPTPRSDMPTPGTSATPGLRPG  
 LGKPPAIDPLVNQAAAGLRTPLAVPGYPAPFGMVPHAGMNGELTSPGAAAYASLHNMSPQMSAAAAAAAV  
 VAYGRSPMVGFDPPPHMRVPTIPPNLAGIPGGKPAYSFHVTADGQMPPVFPDPDALIGPGIPRHARQINT  
 LNHGEVCAVTISNPTRHVYTGKGCVKVWDISHPGNKSPVSQLDCLNRDNYIRSCKLLPDGCTLI VGG E  
 ASTLSIWDLAAPTPIKAELTSSAPACYALAI SPDSKVCFSCCSDGNI AVWDLHNQTLVRQFQGHTDGAS  
 CIDISNDGTLWTGGLDNTVRSWDLREGRLQQHDFTSQIFSLGYCPTGEWLAVGMESSNVEVLHVNKPD  
 KYQLHLHESCVL SLKFAYCGKWFVSTGKDNL LNAWRTPYGASIFQSKESSVLSCDISVDDKYIVTGS G  
 KKATVYEVIIY

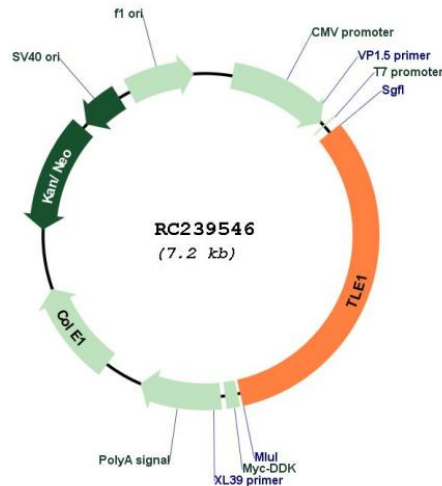
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001303103

**ORF Size:** 2340 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001303103.1](#), [NP\\_001290032.1](#)

**RefSeq Size:** 4167 bp

**RefSeq ORF:** 2343 bp

**Locus ID:** 7088

**UniProt ID:** [Q04724](#)

**Cytogenetics:** 9q21.32

**Protein Families:** Transcription Factors

**MW:** 84.6 kDa

**Gene Summary:** 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]