

## Product datasheet for **RC239509**

### **TLE3 (NM\_001282981) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TLE3 (NM_001282981) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TLE3
Synonyms:	ESG; ESG3; GRG3; HsT18976
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide  
Sequence:**

>RC239509 representing NM\_001282981  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCCCATCAACCCGGCAGCCGGGATTTAAATTCACGGTGGCTGAGTCTTGTGACAGGATCAAAG  
 ACGAATCCAGTTCCTGCAAGCTCAGTATCACAGCCTCAAAGTGGAGTACGACAAGCTGGCAAACGAGAA  
 GACGGAGATGCAGCGCCATTATGTGATGTACTATGAGATGTCCTATGGCTTGAACATTGAAATGCACAAG  
 CAGACAGAGATTGCGAAGAGACTGAACACAATTTAGCACAGATCATGCCTTTCTGTGACAAGAGCACC  
 AGCAGCAGGTGGCGCAGGCAGTGGAGCGGCCAAGCAGGTACCATGACGGAGCTGAACGCCATCATCGG  
 GCAGCAGCAGCTCCAGGCGCAGCACCTCTCCATGCCACACACGGCCCCCGGTCCAGTTGCCACCCAC  
 CCGTCAGTCTCCAGCCTCCAGGAATCCCCCAGTGACAGGGAGCAGCTCCGGGTGCTGGCACTGGGGC  
 CCCTGGGCAGCCAGGCCATCTGACGGTGAAGGATGAGAAGAACCACCATGAACTCGATCACAGAGAGAG  
 AGAATCCAGTGCGAATAACTCTGTGTACCCTCGGAAAGCCTCCGGGCCAGTGAGAAGCACCGGGGTCT  
 GCGGACTACAGCATGGAAGCCAAGAAGCGGAAGCGGAGGAGAAGGACAGCTTGAGCCGATACGACAGTG  
 ATGGAGACAAGAGTGATGATCTGGTGGTGGATGTTTCAAATGAGGACCCCGCAACGCCCCGGTACGCC  
 GGCACACTCCCCTCCTGAAAATGGGCTGGACAAGGCCGTAGCCTGAAAAAGATGCCCCACCAGCCCT  
 GCCTCGGTGGCTCTTCCAGTAGCACACCTTCTCCAAGACCAAAGACCTTGGTCATAACGACAAATCCT  
 CCACCCCTGGGCTCAAGTCCAACACACCAACCCCAAGGAACGACGCCCAACTCCAGGCACCAGCACGAC  
 CCCAGGGCTCAGTTCGATGCCGGTAACCTCCGGGATGGACCCGATAGCCTCGGCTCTGCGCACGCCC  
 ATCTCCATCACAGCTCCTATGCGGCGCCCTTCGCCATGATGAGCCACCATGAGATGAACGGCTCCCTCA  
 CCAGTCCCTGGCGCTACGCCGGCTCCACAACATCCCACCCAGATGAGCGCCCGCCGCTGCTGCAGC  
 CGCTGCCTATGGCCGATCGCCAATGGTGAAGCTTTGGAGCTGTTGGTTTTGACCCTCACCCCCGATGCGG  
 GCCACAGGCTCCCTCAAGCCTGGCCTCCATTCTGGAGGAAAACCAGGTAATCATTCCATGTGAGTG  
 CTGATGGGAGATGCAGCCCGTGCCTTCCCCACGACGCCCTGGCAGGCCCGGCATCCCGAGGCACGC  
 CCGGCAGATCAACACACTCAGCCACGGGGAGGTGGTGTGTGCCGTGACCATCAGCAACCCACGAGGCAC  
 GTCTACACAGGTGGCAAGGGCTGCGTGAAGATCTGGGACATCAGCCAGCCAGGCAGCAAGAGCCCATCT  
 CCCAGCTGGACTGCCTGAACAGGACAATTACATCCGCTCCTGCAAGCTGCTCCCTGATGGGCGCACGCT  
 CATCGTGGGCGGCGAGGCCAGCACGCTCACCATCTGGGACCTGGCCTCGCCACGCCCCGCATCAAGGCC  
 GAGCTGACGTCCTCGGCTCCCGCTGTTATGCCCTGGCCATTAGCCCTGACGCCAAAGTCTGCTTCTCCT  
 GCTGCAGCGATGGGAACATTGCTGTCTGGGACCTGCACAACCAGACCCTGGTCAGGCAGTTCAGGGCCA  
 CACAGATGGGGCCAGCTGCATAGACATCTCCATGATGGCACAAACTGTGGACAGGGGGCTGGACAAC  
 ACGGTGCGCTCCTGGGACCTGCGGGAGGGCCGACAGCTACAGCAGCATGACTTCACTTCCAGATCTTCT  
 CGCTGGGCTACTGCCCACTGGGGAGTGGCTGGCTGTGGGATGGAGAGCAGCAACGTGGAGGTGCTGCA  
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 TGCGGCAAGTGGTTCGTGAGCACTGGGAAAGATAACCTTCTCAACGCCTGGAGGACGCCTTATGGAGCCA  
 GCATATCCAGTCTAAGAATCCTCGTCTGTCTTGAGTTGTGACATTCAGCGGATGACAAATACATTGT  
 AACAGGCTCTGGTGACAAGAAGGCCACAGTTTATGAGGTCATCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239509 representing NM\_001282981  
 Red=Cloning site Green=Tags(s)

MAPHQPGQPGFKFTVAESCDRIKDEFQFLQAQYHSLKVEYDKLANEKTEMQRHYVMYYEMSYGLNIEMHK  
 QTEIAKRLNTILAQIMPFLSQEHQQQVAQVERAKQVTMTELNAIIGQQQLQAQHLSHATHGPPVQLPPH  
 PSLGQPPGIPPVTGSSSGLLALGALGSQAHLTVKDEKNHHELDHRERESSANNSVSPSESLRASEKHRGS  
 ADYSMEAKKRKAEEKDSLRYDSDGDKSDDLVDVSNEDPATPRVSPAHSPPENGLDKARSLKKDAPTSP  
 ASVASSSTPSSKTKDLGHNDKSSTPGLKSNTPRNDAPTPGTSTTPGLRSMGKPPGMDPIASALRTP  
 ISITSSYAAPFAMMSHEMNGSLTSPGAYAGLHNIPPQMSAAAAAAAAAYGRSPMVSGAVGFDPHPPMR  
 ATGLPSSLASIPGGKPAYSFHVSADGQMOPVFPFDALAGPGIPRHRQINTLSHGVEVCAVTISNPTRH  
 VYTGKGCVKIWDISQPGSKSPISQLDCLNRDNYIRSKLLPDGRTLIVGGEASTLIWDLASPTPRIKA  
 ELTSSAPACYALAI SPDAKVCFSCCSDGNI AVWDLHNQTLVRQFQGHTDGASCIDISHDGTKLWTGGLDN  
 TVRSWDLREGRQLQQHDFTSQIFSLGYCPTGEWLAVGMESNVEVLHHTKPKYQLHLHESCVLSLKFA Y  
 CGKWFVSTGKDNLLNAWRTPYGASIFQSKESSVLSCDISADDKYIVTSGDGKATVVEVIY

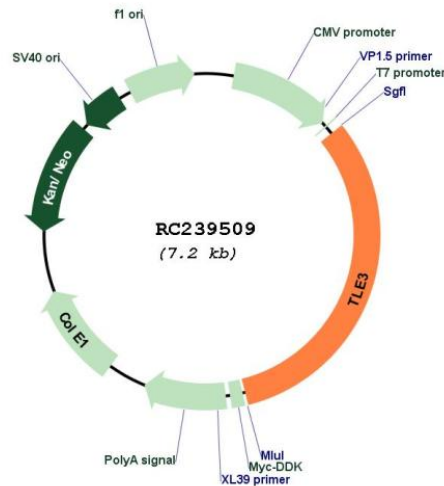
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001282981

**ORF Size:** 2286 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\\_001282981.1](#), [NP\\_001269910.1](#)

**RefSeq Size:** 4684 bp

**RefSeq ORF:** 2289 bp

**Locus ID:** 7090

UniProt ID: [Q04726](#)

Cytogenetics: 15q23

Protein Families: Transcription Factors

MW: 82.7 kDa

**Gene Summary:** This gene encodes a transcriptional co-repressor protein that belongs to the transducin-like enhancer family of proteins. The members of this family function in the Notch signaling pathway that regulates determination of cell fate during development. Expression of this gene has been associated with a favorable outcome to chemotherapy with taxanes for ovarian carcinoma. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Sep 2013]