

## Product datasheet for **RC239528**

### TLE3 (NM\_001282980) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TLE3 (NM_001282980) 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:**

>RC239528 representing NM\_001282980  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTATCCGCAGGGCAGACATCCGGCTCCCATCAACCCGGGCAGCCGGATTTAAATTCACGGTGGCTG  
 AGTCTTGTGACAGGATCAAAGACGAATTCAGTTCCTGCAAGCTCAGTATCACAGCTCAAAGTGGAGTA  
 CGACAAGCTGGCAAACGAGAAGACGGAGATGCAGCGCCATTATGTGATGTACTATGAGATGTCTATGGC  
 TTGAACATTGAAATGCACAAGCAGACAGAGATTGCGAAGAGACTGAACACAATTTAGCACAGATCATGC  
 CTTTCTGTGACAAGAGCACCAGCAGCAGGTGGCGCAGGCAGTGGAGCGCGCAAGCAGGTACCATGAC  
 GGAGCTGAACGCCATCATCGGCAGCAGCAGCTCCAGGCGCAGCACCTCTCCATGCCACACAGGCCCC  
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 GCTTGAGCCGATACGACAGTGTGGAGACAAGAGTGTATCTGGTGGTGGATGTTTCCAATGAGGACCC  
 CGCAACGCCCCGGGTGAGCCCGGCACACTCCCCTCCTGAAAATGGGCTGGACAAGGCCCGTAGCCTGAAA  
 AAAGATGCCCCACCAGCCCTGCCTCGGTGGCCTCTTCCAGTAGCACACCTTCTCCAAGACCAAAGACC  
 TTGGTCATAACGACAAATCTCCACCCCTGGGCTCAAGTCCAACACACCAACCCCAAGGAACGACGCCCC  
 AACTCCAGGCACCAGCACGACCCAGGGCTCAGTTCGATGCCGGGTAACCTCCGGGCATGGACCCGATA  
 GGTATAATGGCCTCGGCTCTGCGCACGCCCATCTCCATACCAGCTCCTATGCGGGCCCTTCGCCATGA  
 TGAGCCACCATGAGATGAACGGCTCCCTCACCAGTCTGGCGCCTACGCCGGCCTCCACAACATCCACC  
 CCAGATGAGCGCCGCGCGCTGCTGCAGCCGCTGCCTATGGCCGATCGCCAATGGTTGGTTTTGACCCT  
 CACCCCCGATGCGGGCCACAGGCTCCCTCAAGCCTGGCCTCATTCTGGAGAAAACCAGCGTACT  
 CATTCCATGTGAGTGTGATGGGCAGATGCAGCCCGTGCCTTCCCCACGACGCCCTGGCAGGCCCGG  
 CATCCCGAGGCACGCCCCGAGATCAACACACTCAGCCACGGGAGGTGGTGTGTGCCGTGACCATCAGC  
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 GCAAGAGCCCCATCTCCAGCTGGACTGCCTGAACAGGGACAATTACATCCGCTCCTGCAAGCTGCTCCC  
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 CCCCAGTCAAGGCCGAGCTGACGCTCCTCGGCTCCCGCTGTTATGCCCTGGCCATTAGCCCTGACGCCA  
 AAGTCTGCTTCTCCTGCTGCAGCGATGGGAACATTGCTGTCTGGGACCTGCACAACCAGACCCTGGTCAG  
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 GGGGGCTGGACAACACGGTGGCCTCCTGGGACCTGCGGGAGGGCCGACAGCTACAGCAGCATGACTTCA  
 CTTCCAGATCTTCTCGCTGGGCTACTGCCCACTGGGGAGTGGCTGGCTGTGGGATGGAGAGCAGCAA  
 CGTGGAGGTGCTGCCACACCAAGCCTGACAAGTACCAGCTGCACCTGCACGAGAGCTGCGTGTCTCC  
 CTCAAGTTCGCCTACTGCGGAAGTGGTTCGTGAGCACTGGGAAAGATAACCTTCTCAACGCCTGGAGGA  
 CGCCTTATGGAGCCAGCATATTCAGTCTAAAGAATCCTCGTCTGTCTTGAGTTGTGACATTTACGCGGA  
 TGACAAATACATTGTAACAGGCTCTGGTGACAAGAAGGCCACAGTTTATGAGGTCTCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239528 representing NM\_001282980  
 Red=Cloning site Green=Tags(s)

MYPQGRHPAPHQPGQPGFKFTVAESCDRIKDEFQFLQAQYHSLKVEYDKLANEKTEMQRHYVMYEMSYG  
 LNIEMHKQTEIAKRLNTILAQIMPFLSQEHQQQVAQVERAKQVTMELNAIIGQQQLQAQHLSHATHGP  
 PVQLPPHP SGLQPPGIPPVTGSSSGLLALGALGSQAHLTVKDEKNHHELDHRERESSANNSVSPSESLRA  
 SEKHRGSADYSMEAKKRKAEEKDSLRYDSDGDKSDDLVDVSNEDPATPRVSPAHSPPENGLDKARSLK  
 KDAPTSPASVASSSSTPSSKTKDLGHNDKSSTPGLKSNTPTPRNDAPTPGTSTTPGLRSMGKPPGMDPI  
 GIMASALRTPISITSSYAAPFAMMSHHEMNGSLTSPGAYAGLHNIPPQMSAAAAAAAAAYGRSPMVGFD  
 HPPMRATGLPSSLASIPGGKPAYSFHVSADGQMOPVPPFDALAGPGIPRHRQINTLSHGVEVCAVTIS  
 NPTRHYVTGGKGCVKIWDISQPGSKSPISQLDCLNRDNYIRSKLLPDGRTLIVGGEASTLTIWDLASPT  
 PRIKAELTSSAPACYALAI SPDAKVCFSCCSDGNI AVWDLHNQTLVRQFQGHTDGASCIDISHDGTKLWT  
 GGLDNTVRSWDLREGRQLQOHDFTSQIFSLGYCPTGEWLAVGMESNVEVLHHTKPKYQLHLHESCVL  
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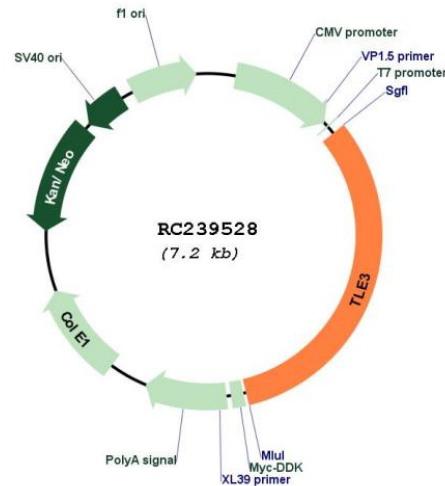
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001282980

ORF Size: 2301 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\\_001282980.2](#)

RefSeq Size: 5745 bp

RefSeq ORF: 2304 bp

Locus ID: 7090

UniProt ID: [Q04726](#)

Cytogenetics: 15q23

Protein Families: Transcription Factors

MW: 83.4 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]