

## Product datasheet for **RC239345**

### **TLE3 (NM\_001282982) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TLE3 (NM_001282982) 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:

>RC239345 representing NM\_001282982  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCCTATGGCTTGAACATTGAAATGCACAAGCAGACAGAGATTGCGAAGAGACTGAACACAATTTTAG  
CACAGATCATGCCTTTCCTGTCAACAAGAGCACCAGCAGCAGGTGGCGCAGGCAGTGGAGCGGCCAAGCA  
GGTCACCATGACGGAGCTGAACGCCATCATCGGGGTACGTGGACTCCCCAATCTGCCTCTTACCCAGCAG  
CAGCTCCAGGCGCAGCACCTCTCCCATGCCACACACGGCCCCCGGTCCAGTTGCCACCCCAACCCGTCAG  
GTCTCCAGCTCCAGGAATCCCCCAGTGACAGGGAGCAGCTCCGGGCTGCTGGCACTGGGCGCCCTGGG  
CAGCCAGGCCATCTGACGGTGAAGGATGAGAAGAACCACCATGAACTCGATCACAGAGAGAGAAATCC  
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TCCCTCCTGAAAATGGGCTGGACAAGGCCGTAGCCTGAAAAAAGATGCCCCACCAGCCCTGCCTCGG  
TGGCCTTTCAGTAGCACACCTTCTCCAAGACCAAAGACCTTGGTCATAACGACAAATCTCCACCCC  
TGGGCTCAAGTCCAACACACCAACCCCAAGGAACGACGCCCAACTCCAGGCACCAGCAGACCCAGGG  
CTCAGGTCGATGCCGGCTCGGCTCTGCGCAGGCCATCTCCATCACCAGCTCCTATGCGGCGCCCTTCG  
CCATGATGAGCCACCATGAGATGAACGGCTCCCTCACCAGTCTGGCGCTACGCCGGCTCCACAACAT  
CCCACCCAGATGAGCGCCGCCCGCTGCTGCAGCCGCTGCCTATGGCCGATCGCAATGGTTGGTTTT  
GACCCTACCCCCGATGCGGGCCACAGGCTCCCTCAAGCCTGGCCTCATTCTGGAGAAAACCG  
CGTACTCATTCCATGTGAGTGTGATGGGACAGATGCAGCCGTGCCCTTCCCCACGACGCCCTGGCAG  
CCCCGGCATCCCGAGGCACGCCCGGAGATCAACACACTCAGCCACGGGAGGTGGTGTGTGCCGTGACC  
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GCTCCCTGATGGGCGCACGCTCATCGTGGGCGGCGAGGCCAGCACGCTCACCATCTGGGACCTGGCCTCG  
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CAGCAACGTGGAGGTGCTGCACCACCAAGCCTGACAAGTACCAGCTGCACCTGCACGAGAGCTGCGTG  
CTCTCCCTCAAGTTCGCCTACTGCGGCAAGTGGTTCGTGAGCACTGGGAAAGATAACCTTCTCAACGCCCT  
GGAGGACGCCCTTATGGAGCCAGCATATTCAGTCTAAGAATCCTCGTCTGTCTTGAGTTGTGACATTTT  
AGCGGATGACAAATACATTGTAACAGGCTCTGGTGACAAGAAGGCCACAGTTTATGAGGTCATCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239345 representing NM\_001282982  
 Red=Cloning site Green=Tags(s)

MSYGLNIEMHKQTEIAKRLNTILAQIMPFLSQEHQQQVAQAVERAQVMTLNAIIGVRGLPNLPLTQQ  
 QLQAQHLSHATHGPPVQLPPHPSGLQPPGIPPVTGSSSGLLALGALGSQAHLTKVDEKNHHELDHRERES  
 SANNSVSPSESLRASEKHRGSADYSMEAKKRKAEKDSL SRYDSGDKSDDLVVDVSNEDPATPRVSPA  
 H SPPENGLDKARSLKKDAPTSPASVASSSTPSSKTKDLGHNDKSSTPGLKSNTPTRNDAPTPTGTSTTPG  
 LRSMPASALRTPISITSSYAAPFAMMSHHEMNGSLTSPGAYAGLHNIPPQMSAAAAAAAAAYGRSPMVG  
 F DPHPPMRATGLPSSLASIPGGKPAYSFHVSADGMQPVFPFDALAGPGIPRHRARQINTLSHGEVCAVT  
 ISNPTRHVYTGKGCVKIWDISQPGSKSPISQLDCLNRDNYIRSCKLLPDGRTLIVGGEASTLTIWDLAS  
 PTPRIKAELTSSAPACYALAI SPDAKVCFSCCSDGNI AVWDLHNQTLVRQFQGHTDGASCIDISHDGTKL  
 WTGGLDNTVRSWDLREGRLQQHDFTSQIFSLGYCPTGEWLA VGMESNVEVLHHTKPKDYQLHLHESC  
 V LSLKFAYCGKWFVSTGKDNLLAWRTPYGASIFQSKESSVLSCDISADDKYIVTGS GDKKATVVEVIY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

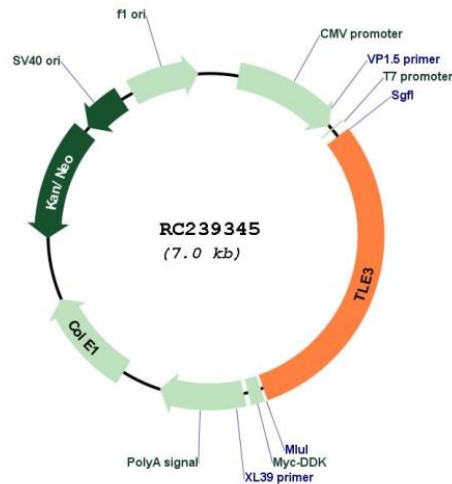
Restriction Sites:

SgfI-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001282982

ORF Size: 2097 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\\_001282982.2](#)

RefSeq Size: 4491 bp

RefSeq ORF: 2100 bp

Locus ID: 7090

UniProt ID: [Q04726](#)

Cytogenetics: 15q23

Protein Families: Transcription Factors

MW: 75.4 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]