

## Product datasheet for **RC226146**

### **TLE3 (NM\_020908) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TLE3 (NM_020908) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TLE3
Synonyms:	ESG; ESG3; GRG3; HsT18976
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC226146 representing NM\_020908  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTATCCGCAGGGCAGACATCCGGCTCCCATCAACCCGGGCAGCCGGATTTAAATTCACGGTGGCTG  
 AGTCTTGTGACAGGATCAAAGACGAATTCAGTTCCTGCAAGCTCAGTATCACAGCCTCAAAGTGGAGTA  
 CGACAAGCTGGCAAACGAGAAGACGGAGATGCAGCGCCATTATGTGATGTAATGAGATGTCTATGGC  
 TTGAACATTGAAATGCACAAGCAGACAGAGATTGCGAAGAGACTGAACACAATTTAGCACAGATCATGC  
 CTTTCTGTGACAAGAGCACCAGCAGCAGGTGGCGCAGGCAGTGGAGCGCGCAAGCAGGTACCATGAC  
 GGAGCTGAACGCCATCATCGGCAGCAGCAGCTCCAGGCGCAGCACCTCTCCATGCCACACAGGCCCC  
 CCGGTCCAGTTGCCACCCACCCGTCAGGTCTCCAGCCTCCAGGAATCCCCCAGTGACAGGGAGCAGCT  
 CCGGGCTGCTGGCACTGGCGCCCTGGGCAGCCAGGCCATCTGACGGTGAAGGATGAGAAGAACCACCA  
 TGAAGCTGATCACAGAGAGAGAGATCCAGTGCGAATAACTCTGTGTACCCTCGAAAGCTCCGGGCC  
 AGTGAGAAAGCAGCCGGGCTCTGCGGACTACAGCATGGAAGCCAAGAAGCGGAAGCGGAGGAGAAGGACA  
 GCTTGAGCCGATACGACAGTGTGGAGACAAGAGTGTATCTGGTGGTGGATGTTTCCAATGAGGACCC  
 CGCAACGCCCCGGGTGAGCCCGGCACACTCCCCTCCTGAAAATGGGCTGGACAAGGCCCGTAGCCTGAAA  
 AAAGATGCCCCACCAGCCCTGCCTCGGTGGCCTCTTCCAGTAGCACACCTTCTCCAAGACCAAAGACC  
 TTGGTCATAACGACAAATCTCCACCCCTGGGCTCAAGTCCAACACACCAACCCCAAGGAACGACGCCCC  
 AACTCCAGGCACCAGCACGACCCAGGGCTCAGGTGATGCCGGCCTCGGCTCTGCGCACGCCCATCTCC  
 ATCACCAGCTCCTATGCGGGCCCTTCGCCATGATGAGCCACCATGAGATGAACGGCTCCCTCACCAGTC  
 CTGGCGCCTACGCCGGCCTCCACAACATCCCACCCAGATGAGCGCCGCCCGCCGCTGCTGCAGCCGCTG  
 CTATGGCCGATCGCCAATGGTGAGCTTTGGAGCTGTTGGTTTTGACCCTACCCCCGATGCGGGCCACA  
 GGCTCCCTCAAGCCTGGCCTCCATTCTGGAGAAAACCAGCGTACTATTCCATGTGAGTGGTGTGATG  
 GGCAGATGCAGCCGTGCCCTTCCCCACGACGCCCTGGCAGGCCCGGCATCCCGAGGCACGCCCGGCA  
 GATCAACACACTCAGCCACGGGGAGGTGGTGTGTGCCGTGACCATCAGCAACCCACGAGGCACGTCTAC  
 ACAGGTGGCAAGGGTGCCTGAAGATCTGGGACATCAGCCAGCCAGGCAGCAAGAGCCCCATCTCCAGC  
 TGGACTGCCTGAACAGGGACAATTACATCCGCTCCTGCAAGCTGCTCCCTGATGGGCGCACGCTCATCGT  
 GGGCGGCAGGCCAGCACGCTCACCATCTGGGACCTGGCCTCGCCACGCCCCGCATCAAGGCCGAGCTG  
 ACGTCTCGGCTCCCGCCTGTTATGCCCTGGCCATTAGCCCTGACGCCAAAGTCTGCTTCTCCTGCTGCA  
 GCGATGGGAACATTGCTGTCTGGGACCTGCACAACCAGACCCTGGTCAAGGCAATTCAGGGCCACACAGA  
 TGGGGCCAGCTGCATAGACATCTCCATGATGGCACAAACTGTGGACAGGGGGCCTGGACAACACGGTG  
 CGCTCCTGGGACCTGCGGGAGGGCCGACAGCTACAGCAGCATGACTTCACTTCCCAGATCTTCTCGCTGG  
 GCTACTGCCCCACTGGGGAGTGGCTGGCTGTGGGCATGGAGAGCAGCAACGTGGAGGTGCTGCACCACAC  
 CAAGCCTGACAAGTACCAGCTGCACCTGCACGAGAGCTGCGTGTCTCCCTCAAGTTCGCTACTGCGGC  
 AAGTGGTTCGTGAGCACTGGGAAAGATAACCTTCTCAACGCTGGAGGACGCCTTATGGAGCCAGCATAT  
 TCCAGTCTAAAGAATCCTCGTCTGTCTTGAGTTGTGACATTTAGCGGATGACAAATACATTGTAACAGG  
 CTCTGGTGACAAGAAGGCCACAGTTTATGAGGTATCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC226146 representing NM\_020908  
 Red=Cloning site Green=Tags(s)

MYPQGRHPAPHQPGQPGFKFTVAESCDRIKDEFQFLQAQYHSLKVEYDKLANEKTEMQRHYVMYEMSYG  
 LNIEMHKQTEIAKRLNTILAQIMPFLSQEHQQQVAQAVERAQVMTMELNAIIGQQQLQAQHLSHATHGP  
 PVQLPPHPGLQPPGIPPVTGSSSGLLALGALGSQAHLTVKDEKNHHELDHREERESSANNSVSPSESLRA  
 SEKHRGSADYSMEAKKRKAEEKDSLRYDSDGDKSDDL VVDVSNEDPATPRVSPAHSPPENGLDKARSLK  
 KDAPTSVASVSSSTPSSKTKDLGHNDKSSTPGLKSNTPTRNDAPTPGTSTTPGLRSMPASALRTPIS  
 ITSSYAAPFAMMSHEMNGSLTSPGAYAGLHNIPPQMSAAAAAAAAAYGRSPMVSGAVGFDPHPPMRAT  
 GLPSSLASIPGGKPAYSFHVSADGQMOPVFPDLAGPGIPRHARQINTLSHGVEVCAVTISNPRHVV  
 TGGKGCVKIWDISQPGSKSPISQLDCLNRDNYIRSKLLPDGRTLIVGGEASTLTIWDLASPTPRIKAEL  
 TSSAPACYALAI SPDAKVCFCSCSDGNI AVWDLHNQTLVRQFQGHTDGASCIDISHDGTKLWTGGLDNTV  
 RSWDLREGRQLQQHDFTSQIFSLGYCPTGEWLAVGMESSNVEVLHHTKPKDYQLHLHESCVLSLKFAFCG  
 KWFVSTGKDNLLNAWRTPY GASIFQSKESSVLSCDISADDKYIVTSGSGDKKATVVEIY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_020908

**ORF Size:** 2280 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\\_020908.3](#)

**RefSeq ORF:** 2283 bp

**Locus ID:** 7090

**UniProt ID:** [Q04726](#)

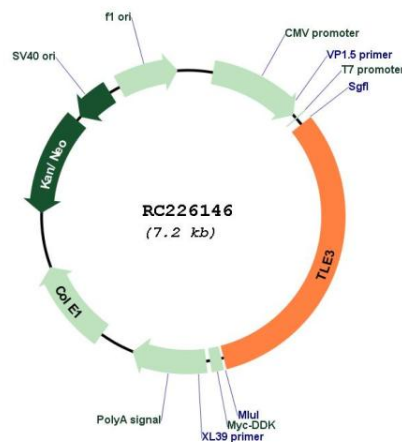
**Cytogenetics:** 15q23

**Protein Families:** Transcription Factors

**MW:** 82 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]

### Product images:



Circular map for RC226146