

Product datasheet for **RC239518**

TLE3 (NM_001282979) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLE3 (NM_001282979) 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:

>RC239518 representing NM_001282979
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATCCGCAGGGCAGACATCCGGCTCCCATCAACCCGGGCAGCCGGATTTAAATTCACGGTGGCTG
 AGTCTTGTGACAGGATCAAAGACGAATTCAGTTCCTGCAAGCTCAGTATCACAGCCTCAAAGTGGAGTA
 CGACAAGCTGGCAAACGAGAAGACGGAGATGCAGCGCCATTATGTGATGTACTATGAGATGCCTATGGC
 TTGAACATTGAAATGCACAAGCAGACAGAGATTGCGAAGAGACTGAACACAATTTAGCACAGATCATGC
 CTTTCTGTGACAAAGAGCACCAGCAGCAGGTGGCGCAGGCAGTGGAGCGCGCCAAGCAGGTACCATGAC
 GGAGCTGAACGCCATCATCGGCAGCAGCAGCTCCAGGCGCAGCACCTCTCCCATGCCACACACGGCCCC
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 AGTGAGAAAGCAGCCGGGCTCTGCGGACTACAGCATGGAAGCCAAGAAGCGGAAGGCGGAGGAGAAGGACA
 GCTTGAGCCGATACGACAGTGTGGAGACAAGAGTGTATCTGGTGGTGGATGTTTCCAATGAGGACCC
 CGCAACGCCCCGGGTGAGCCCGGCACACTCCCCTCCTGAAAATGGGCTGGACAAGGCCCGTAGCCTGAAA
 AAAGATGCCCCCACCAGCCCTGCCTCGGTGGCCTCTTCCAGTAGCACACCTTCTCCAAGACCAAAGACC
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 AACTCCAGGCACCAGCACGACCCAGGGCTCAGGTGATGCCGGTAAACCTCCGGGCATGGACCCGATA
 GCCTCGGCTCTGCGCACGCCATCTCCATCACCAGTCCATGCGGCGCCCTTCGCCATGATGAGCCACC
 ATGAGATGAACGGCTCCCTCACCAGTCCCTGGCGCCTACGCGGCCCTCCACAACATCCCACCCAGATGAG
 CGCCGCCCGCTGCTGACAGCCGCTGCCTATGGCCGATCGCCAATGGTTGGTTTTGACCCTCACCCCCG
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 TGAGTGTGATGGGCAGATGCAGCCCGTCCCTTCCCCACGACGCCCTGGCAGGCCCGGCATCCCGAG
 GCACGCCCGGCAGATCAACACACTCAGCCACGGGGAGGTGGTGTGTGCCGTGACCATCAGCAACCCACG
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 AAGGCCGAGCTGACGTCCCTCGGCTCCCGCCTGTTATGCCCTGGCCATTAGCCCTGACGCCAAAGTCTGCT
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 GACAACACGGTGCCTCCTGGGACCTGCGGGAGGGCCGACAGCTACAGCAGCATGACTTCACTTCCCAGA
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 GCCTACTGCGGCAAGTGGTTCGTGAGCACTGGGAAAGATAACCTTCTCAACGCCTGGAGGACGCCTATG
 GAGCCAGCATATCCAGTCTAAAGAATCCTCGTGTCTTGGTGTGACATTTACGCGGATGACAAATA
 CATTGTAACAGGCTCTGGTGACAAGAAGGCCACAGTTTATGAGGTCATCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239518 representing NM_001282979
 Red=Cloning site Green=Tags(s)

MYPQGRHPAPHQPGQPGFKFTVAESCDRIKDEFQFLQAQYHSLKVEYDKLANEKTEMQRHYVMYEMSYG
 LNIEMHKQTEIAKRLNTILAQIMPFLSQEHQQQVAQAVERAKQVTMELNAIIGQQQLQAQHLSHATHGP
 PVQLPPHPSGLQPPGIPPVTGSSSGLLALGALGSQAHLTVKDEKNHHELDHRERESSANNSVSPSESLRA
 SEKHRGSADYSMEAKKRKAEEKDSLRYDSGDGKSDDLVVDVSNEDPATPRVSPAHSPPENGLDKARSLK
 KDAPTSPASVASSSTPSSKTKDLGHNDKSSTPGLKSNTPTPRNDAPTPGTSTTPGLRSMGKPPGMDPI
 ASALRTPISITSSYAAPFAMMSHHEMNGSLTSPGAYAGLHNIPPQMSAAAAAAAAAYGRSPMVGFDPHPP
 MRATGLPSSLASIPGGKPAYSFHVSADGQMOPVFPFDALAGPGIPRHARQINTLSHGEVCAVTISNPT
 RHVYTGKGCVKIWDISQPGSKSPISQLDCLNRDNYIRSKLLPDGRTLIVGGEASTLTIWDLASPTPRI
 KAELTSSAPACYALAI SPDAKVCFSCCSDGNIAVWDLHNQTLVRQFQGHTDGASCIDISHDGTKLWTGGL
 DNTVRSWDLREGRQLQQHDFTSQIFSLGYCPTGEWLAVGMESSNVEVLHHTKPKDYQLHLHESCVL SLKF
 AYCCKWFVSTGKDNLLNAWRTPYGASIFQSKESSVLSCDISADDKYIVTGSGDKKATVYEVIY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

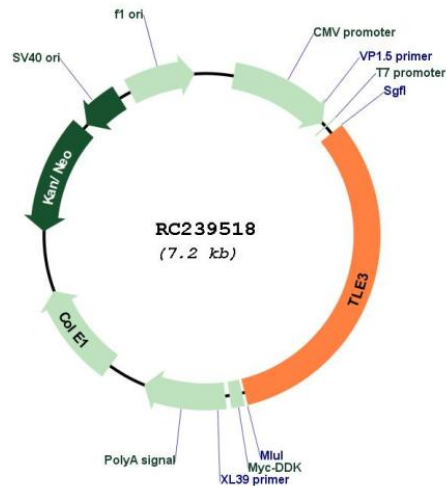
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282979

ORF Size: 2292 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_001282979.2](#)

RefSeq Size: 5736 bp

RefSeq ORF: 2295 bp

Locus ID: 7090

UniProt ID: [Q04726](#)

Cytogenetics: 15q23

Protein Families: Transcription Factors

MW: 83.1 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]