

## Product datasheet for **RG226146**

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

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TLE3 (NM_020908) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TLE3
Synonyms:	ESG; ESG3; GRG3; HsT18976
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>RG226146 representing NM\_020908  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGTATCCGCAGGGCAGACATCCGGCTCCCATCAACCCGGGCAGCCGGATTTAAATTCACGGTGGCTG  
AGTCTTGTGACAGGATCAAAGACGAATTCAGTTCCTGCAAGCTCAGTATCACAGCCTCAAAGTGGAGTA  
CGACAAGCTGGCAAACGAGAAGACGGAGATGCAGCGCCATTATGTGATGTAATGAGATGTCTATGGC  
TTGAACATTGAAATGCACAAGCAGACAGAGATTGCGAAGAGACTGAACACAATTTAGCACAGATCATGC  
CTTTCCTGTACAAAGAGCACCAGCAGCAGGTGGCGCAGGCAGTGGAGCGCGCCAAGCAGGTACCATGAC  
GGAGCTGAACGCCATCATCGGCAGCAGCAGCTCCAGGCGCAGCACCTCTCCATGCCACACAGGCCCC  
CCGGTCCAGTTGCCACCCACCCGTCAGGTCTCCAGCCTCCAGGAATCCCCCAGTGACAGGGAGCAGCT  
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AGTGAGAAAGCAGCCGGGCTCTGCGGACTACAGCATGGAAGCCAAGAAGCGGAAGGCGGAGGAGAAGGACA  
GCTTGAGCCGATACGACAGTGTGGAGACAAGAGTGTATCTGGTGGTGGATGTTTCCAATGAGGACCC  
CGCAACGCCCCGGGTGAGCCCGGCACACTCCCCTCCTGAAAATGGGCTGGACAAGGCCCGTAGCCTGAAA  
AAAGATGCCCCACCAGCCCTGCCTCGGTGGCCTCTTCCAGTAGCACACCTTCTCCAAGACCAAAGACC  
TTGGTCATAACGACAAATCTCCACCCCTGGGCTCAAGTCCAACACACCAACCCCAAGGAACGACGCCCC  
AACTCCAGGCACCAGCACGACCCAGGGCTCAGGTGATGCCGGCCTCGGCTCTGCGCACGCCCATCTCC  
ATCACCAGCTCCTATGCGGCGCCCTTCGCCATGATGAGCCACCATGAGATGAACGGCTCCCTCACCAGTC  
CTGGCGCCTACGCCGGCCTCCACAACATCCCACCCAGATGAGCGCCGCCGCCGCTGCTGCAGCCGCTGC  
CTATGGCCGATCGCCAATGGTGAAGCTTTGGAGCTGTTGGTTTTGACCCTACCCCCGATGCGGGCCACA  
GGCCTCCCTCAAGCCTGGCCTCCATTCTGGAGAAAACCAGCGTACTCATTCCATGTGAGTGGTGTGATG  
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ACAGGTGGCAAGGGTGCCTGAAGATCTGGGACATCAGCCAGCCAGGCAGCAAGAGCCCCATCTCCAGC  
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GGGCGGCAGGCCAGCACGCTCACCATCTGGGACCTGGCCTCGCCACGCCCCGCATCAAGGCCGAGCTG  
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TGGGGCCAGCTGCATAGACATCTCCCATGATGGCACAAACTGTGGACAGGGGGCCTGGACAACACGGTG  
CGCTCCTGGGACCTGCGGGAGGGCCGACAGCTACAGCAGCATGACTTCACTTCCCAGATCTTCTCGCTGG  
GCTACTGCCCCACTGGGAGTGGCTGGCTGTGGGCATGGAGAGCAGCAACGTGGAGGTGCTGCACCACAC  
CAAGCCTGACAAGTACCAGCTGCACCTGCACGAGAGCTGCGTGTCTCCCTCAAGTTCGCTACTGCGGC  
AAGTGGTTCGTGAGCACTGGGAAAGATAACCTTCTCAACGCTGGAGGACGCCTTATGGAGCCAGCATAT  
TCCAGTCTAAAGAATCCTCGTCTGTCTTGAGTTGTGACATTTAGCGGATGACAAATACATTGTAACAGG  
CTCTGGTGACAAGAAGGCCACAGTTTATGAGGTATCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG226146 representing NM\_020908  
Red=Cloning site Green=Tags(s)

```

MYPQGRHPAPHQPGQPGFKFTVAESCDRIKDEFQFLQAQYHSLKVEYDKLANEKTEMQRHYVMYEMSYG
LNIEMHKQTEIAKRLNTILAQIMPFLSQEHQQQVAQAVERAKQVTMTELNAIIGQQQLQAQHLSHATHGP
PVQLPPHPSGLQPPGIPPVTGSSSGLLALGALGSQAHLTVKDEKNHHELDHREERESSANNSVSPSESLRA
SEKHRGSADYSMEAKKRKAEEKDSLRYDSDGDKSDDL VVDVSNEDPATPRVSPAHSPPENGLDKARSLK
KDAPTPASVASSSTPSSKTKDLGHNDKSSSTPLKSNTPTRNDAPTPGTSTTPGLRSMPASALRTPIS
ITSSYAAPFAMMSHHEMNGSLTSPGAYAGLHNIPPQMSAAAAAAAAAYGRSPMVSFVAVGDFPHPPMRAT
GLPSSLASIPGGKPAYSFHVSADGQMPPVFPDLAGPGIPRHARQINTLSHGVEVCAVTISNPTRHVV
TGGKGCVKIWDISQPGSKSPISQLDCLNRDNYIRSKLLPDGRTLIVGGEASTLTIWDLASPTPRIKAEL
TSSAPACYALAI SPDAKVCFSCCSDGNI AVWDLHNQTLVRQFQGHTDGASCIDISHDGTKLWTGGLDNTV
RSWDLREGRQLQQHDFTSQIFSLGYCPTGEWLAVGMESSNVEVLHHTKPKDYQLHLHESCVLSLKFAFCG
KWFVSTGKDNLLNAWRTPY GASIFQSKESSVLSCDISADDKYIVTGSGDKKATVVEVIY
    
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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 Size:** 5318 bp

**RefSeq ORF:** 2283 bp

**Locus ID:** 7090

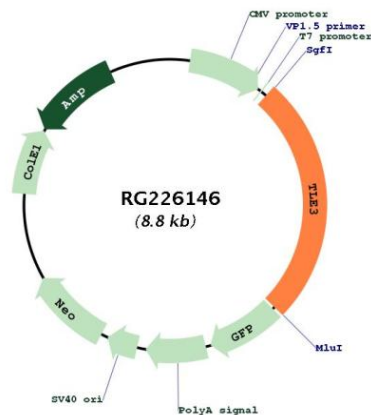
**UniProt ID:** [Q04726](#)

**Cytogenetics:** 15q23

**Protein Families:** Transcription Factors

**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 RG226146