

## Product datasheet for **RG204037**

### **TLE 1 (TLE1) (NM\_005077) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TLE 1 (TLE1) (NM_005077) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TLE 1
Synonyms:	ESG; ESG1; GRG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG204037 representing NM\_005077  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTCCCGCAGAGCCGGCACCCGACCCGACCCGACCCAGGCTGCAGGCCAGCCCTTCAAGTTCATATCCCGG  
 AGTCCCTGGACCGGATTAAGAGGAATTCAGTTCCTGCAGGCGCAGTATCACAGCCTTAAATTGGAATG  
 TGAGAACTGGCAAGTGAAGAGACAGAAATGCAGAGGCACTATGTGATGTATTATGAAATGCATATGGA  
 TTAACATTGAAATGCACAAACAGACTGAAATCGCCAAGAGATTGAATACGATTTGTGCACAAGTCATCC  
 CATTCTGTCTCAGGAACATCAACAACAGGTGGCCAGGCTGTTGAACGTGCCAAACAGGTGACCATGGC  
 AGAGTTGAATGCCATCATCGGGCAGCAGCTTGAAGCTCAGCATCTTTCTCATGGCCACGGACCCCA  
 GTTCCCTTACGCCTCACCTTCGGGACTTCAGCTCCTGGAATCCCGCCCTCGGGGCGAGTCCCGGCC  
 TTCTTGCCTGTCTAGTCTCTGAGTGGCAGTCTCACTTGGCAATAAAGATGACAAGAAGCACCACGA  
 TGCAGAGCACCACAGAGACAGAGAGCCGGGCACAAGTAATCCCTCCTGGTCCCAGACAGCTAAGAGGC  
 ACAGATAAACGCAGAAATGGACCTGAATTTTCCAATGACATCAAGAAAAGGAAGGTGGATGATAAGGACT  
 CCAGCCACTATGACAGTGTGGTGACAAAAGCGATGACAACCTAGTTGTGGATGTGTCTAATGAGGACCC  
 TTCTTCTCCGCGAGCAAGCCCTGCCACTCGCCCCGGGAAAATGGAATCGACAAAATCGCTGCTAAAG  
 AAGGATGCTTCTAGCAGTCCAGCTTCCACGGCCTCCTCGCAAGTTCACCTTCTTTGAAATCCAAAGAAA  
 TGAGCTTGCATGAAAAGCCAGCAGCCTGTTCTGAAATCCAGCACACCAACGCCTCGGAGCGACATGCC  
 AACGCCGGCACCAGCGCCACTCCAGGCCTCCGTCCAGGTCTCGCAAGCCTCCAGCCATAGACCCCTC  
 GTTAACCAAGCGGCAGCTGGCTTGAGGACACCCCTGGCAGTCCCGGCCCATATCCTGCTCTTTTGGGA  
 TGGTCCCCCAGCTGGCATGAACGGCGAGCTGACCAGCCAGGCGCTGCCTACGCCAGTTACACAACAT  
 GTCGCCCCAGATGAGCGCCGAGCCGCCGCGCCGCTGGTGGCCTACGGGCGCTCCCCATGGTGGGG  
 TTTGATCCTCCCCCTCACATGAGAGTACCTACCATTCTCCAACCTGGCAGGAATCCCTGGGGGAAAC  
 CTGCATACTCCTCCACGTTACTGCAGACGGTCAGATGCAGCCTGTCCCTTTTCCCCCGACGCCCTCAT  
 CGGACCCGGAATCCCCCGCATGCTCGCCAGATCAACACCCTCAACCACGGGGAGGTGGTGTGCGCTGTG  
 ACCATCAGCAACCCACGAGACAGTGTACACAGGCGGGAAGGGTGCCTCAAGGTCTGGGACATCAGCC  
 ACCCTGGCAATAAGAGCCCTGTCTCCAGCTCGACTGTCTGAACAGAGACAATTATCCGTTCTGTAA  
 ATTGCTACCCGATGGCTGCACTCTCATAGTGGGAGGGGAAGCCAGTACTTTGTCCATTTGGGACCTGGCG  
 GCTCCAACCCCGGCATCAAGGCGGAGTGACGTCTCGGCCCGCCTGCTACGCCCTGGCCATCAGCC  
 CCGATTCCAAGGTCTGTTCTCATGCTGCAGCGACGGCAACATCGCTGTGTGGGATCTGCACAACAGAC  
 ACTAGTGAGGCAATTCAGGGCCACACAGACGGAGCCAGCTGATTGACATTTCTAATGATGGCACAAG  
 CTCTGGACGGGTGGTTTGGACAACACAGTCAGGTCTGGGACCTGCGCGAGGGGGCGCAGCTGCAGCAGC  
 ACGACTTACCTCCAGATCTTCTCCCTGGGTAAGTGCACCGGGGAGTGGCTGGCAGTGGGCATGGA  
 GAGCAGCAATGTGGAGGTGCTGCAGTGAACAAGCCTGACAAGTACCAGCTGCACCTGCATGAGAGCTGC  
 GTGCTGTCCCTGAAATTTGCTTACTGTGGTAAATGGTTTGTGAGTACTGGAAAAGATAACCTCCTCAATG  
 CTTGGCGGACCCCTATGGAGCCAGCATATCCAGTCCAAGAGTCCCTCGTCAGTGCTTAGCTGTGACAT  
 CTCTGTGGATGATAAGTACATAGTCACTGGCTCGGGGACAAGAAGGCTACAGTCTATGAAGTCATCTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204037 representing NM\_005077  
 Red=Cloning site Green=Tags(s)

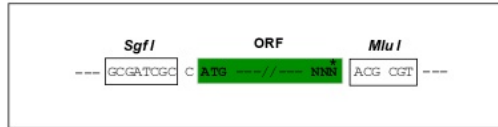
MFPQSRHPTPHQAAGQPFKFTIPESLDRIKEEFQFLQAQYHSLKLECEKLASEKTEMQRHYVMYEMSYG  
 LNIEMHKQTEIAKRLNTICAQVIPFLSQEHQQQVAQAVERAKQVTMAELNAIIGQQQLQAQHL SHGHGPP  
 VPLTPHP SGLQPPGIPPLGGSAGLLALSSALSGQSHLAIKDDKKHDAEHHRDREPGT SNSLLVPDSL RG  
 TDKRRNGPEFSNDIKKRKVDDKSSHYSDGDKSDDNLVVDVSNEDPSSPRASPAHSPRENGIDKNRLK  
 KDASSPASTASSASSTSLKSKEMSLHEKASTPVLKSSPTPRSDMPTPGTSATPGLRPGLGKPPAIDPL  
 VNQAAAAGLRTP LAVPGYPAPFGMVPHAGMNGELTSPGAAAYASLHNMS PQMSAAAAAAAVVAYGRSPMVG  
 FDPPPHMRVPTIPP NLAGIPGGKPAYSFHVTADGQMPPVFPDPDALIGPGIPRHARQINTLNHGEVVC AV  
 TISNPTRHVYTGKGCVKVWDISHPGNKSPVSQLDCLNRDNYIRSCKLLPDGCTLIVGGEASTLSIWDLA  
 APTPRIKAELTSSAPACYALAI SPDSKVCFSCCSDGNIAVWDLHNQTLVRQFQGHTDGASCIDISNDGTK  
 LWTGGLDNTVRSWDLREGRQLQQHDFTSQIFSLGYCPTGEWLAVGMESSNVEVLHVNKPKDYQLHLHESC  
 VLSLKFAYCGKWFVSTGKDNLLNAWRTPYGASIFQSKESSVLSCDISVDDKYIVTGSGDKKATVVEVIY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:

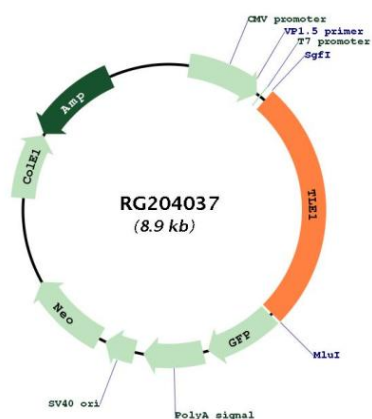


ACCN: NM\_005077

ORF Size: 2310 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
<b>Components:</b>	<p>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).</p>
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<p><a href="#">NM_005077.3</a>, <a href="#">NP_005068.2</a></p>
<b>RefSeq Size:</b>	<p>3283 bp</p>
<b>RefSeq ORF:</b>	<p>2313 bp</p>
<b>Locus ID:</b>	<p>7088</p>
<b>UniProt ID:</b>	<p><a href="#">Q04724</a></p>
<b>Cytogenetics:</b>	<p>9q21.32</p>
<b>Domains:</b>	<p>WD40, TLE_N</p>
<b>Protein Families:</b>	<p>Transcription Factors</p>
<b>Gene Summary:</b>	<p>Transcriptional corepressor that binds to a number of transcription factors. Inhibits NF-kappa-B-regulated gene expression. Inhibits the transcriptional activation mediated by FOXA2, and by CTNNB1 and TCF family members in Wnt signaling. The effects of full-length TLE family members may be modulated by association with dominant-negative AES. Unusual function as coactivator for ESRRG.[UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for RG204037