

Product datasheet for **RG227876**

TLE2 (NM_001144761) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLE2 (NM_001144761) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TLE2
Synonyms:	ESG; ESG2; GRG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG227876 representing NM_001144761
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTGCAATCACGGCTCACTGCAACCTCCGCCTCCCAAGATTCTCTGCTTCAGGATTACAGACCCCGC
 TCCAGTCCGGCCAGCCCTTCAAGTTCTCGATCTTGGAGATCTGCGACCGCATCAAAGAAGAATTCCAGTT
 TCTTCAGGCTCAATACCACAGCCTCAAGCTAGAATGTGAGAAGCTGGCCAGCGAGAAGACGGAAATGCAG
 CGACATTATGTATGTATTATGAGATGTCGTACGGGCTCAACATTGAAATGCATAAGCAGCGGAGATTG
 TGAAGCGTCTGAGCGGTATCTGCGCTCAGATTATCCCCTTCTGACCCAGGAGCATCAGCAGCAGGTGCT
 CCAGGCCGTAGAACGCGCAAGCAGGTCACCGTGGGGGAGCTGAACAGCCTCATCGGGCAGCAGCAGCTC
 CAGCCGCTGTCCACCACGACCCCTGTGCCCTCACCCCGCCAGCCGGGTGGTGGGCGGCAGTG
 CTACGGGGCTGCTTGTCTGTCTGGAGCCCTGGTGCCAGGCTCAGCTGGCGGGCTGTCAAGGAGGA
 CCGTGCGGGCTGGAGGCGAGGGTCCAGAGTGGAGAGAGCCCGAGCAGGAGTGCATCTCCCTCGCCC
 CCTGAGAGTCTCGTGGAGGAGGAGCGACCGAGTGGCCCTGGTGGTGGCGGGAAGCAGAGAGCAGATGAGA
 AGGAGCCATCAGGACCTTATGAAAGCGACGAAGACAAGAGTGATTACAATCTGGTGGTGGACGAGGACCA
 ACCCTCAGAGCCCCCAGCCCGCTACCACCCCTGCGGAAAGGTACCCATCTGCATTCTGCCCGTCGG
 GACCTGGTGGACAGTCCAGCCTCCTTGGCTCTAGCCTTGGCTCACCGCTGCCTAGAGCCAAGGAGCTCA
 TCCTGAATGACCTTCCGCCAGCACTCTGCCTCCAAATCCTGTGACTCTCCCCGCCAGGACGCTTC
 CACCCCGGGCCAGCTCGGCCAGTCACCTTGCCAGCTTGTGCCAAGCCAGCACCTTCCACGGACAGC
 GTCGCCCTGAGGAGCCCCCTGACTCTGTCCAGTCCCTTACCACGCTCCTCAGCCTGGGCTCCCACAGCA
 CTCTCAACGGAGACCTCTCCGTGCCAGCTCCTACGTACGCTCCACCTGTCCCCCAGGTCAGCAGCTC
 TGTGGTGTACGGACGCTCCCCCGTGATGGCATTGAGTCTCATCCCCATCTCCGAGGGTTCATCCGTCTCT
 TCCTCCCTACCCAGCATCCCTGGGGGAAAGCCGGCTACTCCTTCCACGTGTCTGCGGACGGGCAGATGC
 AGCCGGTTCCTTCCCCTCGGATGCACTGGTAGGCGCGGGCATCCCGCGGCACGCCCGCAGCTGCACAC
 GCTGGCCCATGGCGAGGTGGTCTGCGCGGTCAACATCAGCGGCTCCACACAGCATGTGTACACGGGCGGC
 AAGGGCTGTGTAAGGTGTGGGACGTGGGCCAGCCTGGGGCAAGACGCCCGTGGCCAGCTCGACTGCC
 TGAACCGAGACAACACTACATTCGTTCTGCAAGTTGCTGCCGATGGCCGGAGTCTGATCGTGGGCGGTGA
 GGCCAGCACCTTGTCCATTTGGGACCTGGCGGCCACCCCCCGTATCAAGGCCGAGCTGACTTCTCA
 GCCCAGCCTGCTACGCCCTGGCCGTAGCCCCGACGCCAAGGTTTGTCTCTCTGCTGCAGCGATGGCA
 ACATTGTGGTCTGGGACCTGCAGAAATCAGACTATGGTCAGGCAGTTCAGGGCCACAGGACGGCGCCAG
 CTGCATTGATATTTCCGATTACGGCACTCGGCTCTGGACAGGGGGCTGGACAACACGGTGCCTGCTGG
 GACCTGGCGGAGGGCCGCGAGCTGCAGCAGCATGACTTACGCTCCAGATTTTCTCCCTGGGCCACTGCC
 CTAACCAGGACTGGTGGCGGTCCGAAATGGAGAGTAGCAACGTGGAGATCCTGCACGTCCGCAAGCCGGA
 GAAATACCAGCTGCACCTCCACGAGAGCTGCGTGTCTGTCCTGAAGTTTGCCTCTGCGTCCAAGGAGTC
 GTCCTCAGTCTGAGTTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG227876 representing NM_001144761
 Red=Cloning site Green=Tags(s)

```
MVQSRLTATSASQDSPASGLQTPLQSGQPFKFSILEICDRIKEEFQLQAQYHSLKLECEKLASEKTEMQ
RHYVMYEMSYGLNIEMHKQAEIVKRLSGICAQIIPFLTQEHQQQVLQAVERAKQVTVGELNSLIGQQQL
QPLSHHAPPVPLTPRPAGLVGGSATGLLALSGALAAQAQLAAAVKEDRAGVEAEGSRVERAPSRASPS
PESLVEEERPSGPGGGGKQRADEKEPSGPYESEDEKSDYNLVDEDEQPSEPPSPATTPCGKVPICIPARR
DLVDSASLASSLGSPLPRAKELILNDLPASTPASKSCDSSPPQDASTPGPSSASHLCQLAAKPAPSTDS
VALRSPLTLSSPFTTSFSLGSHSTLNGDLSVPSYVSLHLSQVSSSVVYGRSPVMAFESHPLRGSSVS
SSLPSIPGGKPAYSFHVSADQMOPVFPSPDALVGAGIPRHRQLHTLAHGEVVCVAVTISGSTQHVVYTG
KGCVKVWDVVGQPAKTPVAQLDCLNRDNYIRSKLLPDGRSLIVGGEASTLSIWDLAAPTPIKAELTSS
APACYALAVSPDAKVCFCSCSDGNI VVWDLQNQTMVRQFQGHTDGASCIDI SDYGTRLWTGGLDNTVRCW
DLREGRQLQQHDFSSQIFSLGHCPNQDWLAVGMESSNVEILHVRKPEKYQLHLHESCVLSLKFAVCVQGV
VLSPEL
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001144761

ORF Size: 2118 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_001144761.1](#), [NP_001138233.1](#)

RefSeq Size: 2508 bp

RefSeq ORF: 2121 bp

Locus ID: 7089

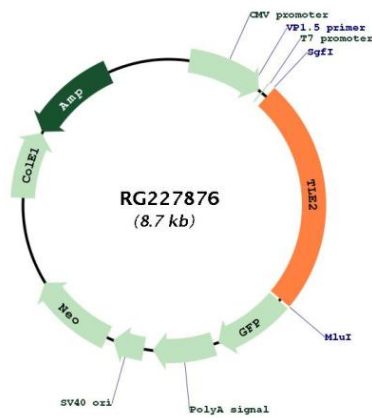
UniProt ID: [Q04725](#)

Cytogenetics: 19p13.3

Protein Families: Transcription Factors

Gene Summary: Transcriptional corepressor that binds to a number of transcription factors. Inhibits the transcriptional activation mediated 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG227876