

Product datasheet for **RG227899**

TLE2 (NM_001144762) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLE2 (NM_001144762) 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)



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ORF Nucleotide Sequence:

>RG227899 representing NM_001144762
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGCGACATTATGTCATGTATTATGAGATGTCGTACGGGCTCAACATTGAAATGCATAAGCAGGCGG
 AGATTGTGAAGCGTCTGAGCGGTATCTGCGCTCAGATTATCCCCTTCTGACCCAGGAGCATCAGCAGCA
 GGTGCTCCAGGCCGTAGAACCGCCAAGCAGGTACCCTGGGGGAGCTGAACAGCCTCATCGGGAGTGCA
 TCTCCCTCGCCCCCTGAGAGTCTCGTGGAGGAGGACGACCGAGTGGCCCTGGTGGTGGCGGGAAGCAGA
 GAGCAGATGAGAAGGAGCCATCAGGACCTTATGAAAGCGACGAAGACAAGAGTGATTACAATCTGGTGGT
 GGACGAGGACCAACCCTCAGAGCCCCCAGCCGGCTACCACCCCTGCGGAAAGGTACCCATCTGCATT
 CCTGCCGTCGGGACCTGGTGGACAGTCCAGCCTCCTTGGCTCTAGCCTTGGCTCACCGCTGCCTAGAG
 CCAAGGAGCTCATCTGAATGACCTTCCGCCAGCACTCTGCCTCCAAATCCTGTGACTCTCCCCGCC
 CCAGGACGCTTCCACCCCGGGCCAGCTCGGCCAGTCACTCTGCCAGTTGTGCCAAGCCAGCACCT
 TCACGGACAGCGTCGCCCTGAGGAGCCCCCTGACTCTGTCCAGTCCCTTACCACGTCTTCAGCCTGG
 GCTCCACAGCACTCTCAACGGAGACCTCTCCGTGCCAGCTCCTACGTACGCTCCACCTGTCCCCCA
 GGTGACGAGCTCTGTGGTGTACGGACGCTCCCCGTGATGGCATTGAGTCTCATCCCCATCTCCGAGGG
 TCATCCGTCTTCTCCCTACCCAGCATCCCTGGGGGAAAGCCGGCCTACTCCTTCCACGTGTCTGCGG
 ACGGGCAGATGCAGCCGGTTCCTTCCCCTCGGATGCACTGGTAGGCGCGGGCATCCCGCGGCACGCCCC
 GCAGCTGCACACGCTGGCCATGGCGAGGTGGTCTGCGCGGTACCATCAGCGGCTCCACACAGCATGTG
 TACACGGCGGCAAGGGCTGTGTGAAGGTGTGGACGTGGGCCAGCCTGGGGCAAGACGCCCCGTGGCC
 AGCTCGACTGCCGAACCGAGACAACACTACATTCTGCAAGTTGCTGCCGGATGGCCGGAGTCTGAT
 CGTGGGCGGTGAGGCCAGCACCTTGTCCATTTGGGACCTGGCGGCGCCACCCCGTATCAAGGCCGAG
 CTGACTTCTCAGCCCCAGCCTGCTACGCCCTGGCCGTACGCCCGACGCCAAGGTTTGCTTCTCCTGCT
 GCAGCGATGGCAACATTGTGGTCTGGGACCTGCAGAATCAGACTATGGTCAGGCAGTTCCAGGGCCACAC
 GGACGGCGCCAGCTGCATTGATATTTCCGATTACGGCACTCGGCTCTGGACAGGGGGCTGGACAACACG
 GTGCGCTGCTGGGACCTGCGGGAGGGCCCGCAGCTGCAGCAGCATGACTTCACTCCAGATTTTCTCCC
 TGGGCCACTGCCCTAACAGGACTGGCTGGCGGTGGAAATGGAGAGTAGCAACGTGGAGATCCTGCACGT
 CCGCAAGCCGGAGAAATACCAGCTGCACCTCCACGAGAGCTGCGTGTCCCTGAAGTTTGCCTCTGCG
 GGACGGTGGTTTGTGAGCACCGGAAGGACAACCTGCTCAACGCCTGGAGGACGCCGTACGGGGCCAGCA
 TTTTCCAGTCCAAGGAGTCGTCTCAGTCTGAGTTGTGACATCTCCAGAAATAACAATACATCGTGAC
 AGGCTCGGGGACAAGAAGGCCACCGTGTATGAGGTGGTCTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG227899 representing NM_001144762
 Red=Cloning site Green=Tags(s)

MQRHYVMYYEMSYGLNIEMHKQAEIVKRLSGICAQIIPFLTQEHQQVQLQAVERAKQVTVGELNSLIGSA
 SPSPPESLVEEERPSGPGGGGKQRADEKESGYPYSEDEKSDYNLVVDEDQPSEPPSPATTPCGKVPICI
 PARRDLVDSPLASSLGSPLPRAKELILNDLPASTPASKSCDSSPPQDASTPGPSSASHLCQLAAKPAP
 STDSVALRSPLTLSSPFTTSFSLGSHSTLNGDLSVPSSYVSLHLSPOVSSSVVYGRSPVMAFESHPLRG
 SSVSSSLPSIPGGKPAYSFHVSADGQMVPVFPDSDALVGAGIPRHARQLHTLAHGEVVCVAVTISGSTQHV
 YTGKGCVKVWDVGPQAKTPVAQLDCLNRDNYIRSCKLLPDGRSLIVGGEASTLSIWDLAAPTTRIKAE
 LTSSAPACYALAVSPDAKVCFSKSDGNI VVWDLQNQTMVRQFQGHTDGASCIDISDYGTRLWTGLDNT
 VRCWDLREGRQLQHQHDFSSQIFSLGHCPNQDWLAVGMESSNVEILHVRKPEKYQLHLHESCVLSLKFASC
 GRWFVSTGKDNLLNAWRTPYGASIFQSKESSVLSCDISRNNKYIVTGS GDKKATVYEVVY

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001144762

ORF Size: 1863 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_001144762.1](#), [NP_001138234.1](#)

RefSeq Size: 2299 bp

RefSeq ORF: 1866 bp

Locus ID: 7089

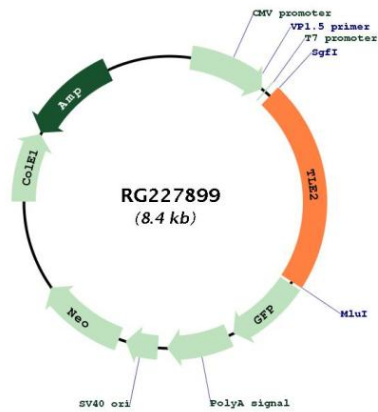
UniProt ID: [Q04725](#)

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 RG227899