

Product datasheet for **RG239459**

TLE2 (NM_001300846) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLE2 (NM_001300846) 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:

>RG239459 representing NM_001300846.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGTACCCACAGGAAGGCACCCGACCCCGTCCAGTCCGGCCAGCCCTCAAGTCTCGATCTTGAG
ATCTGCGACCCGCATCAAAGAAGAATTCCAGTTTCTTCAGGCTCAATACCACAGCCTCAAGCTAGAATGT
GAGAAGCTGGCCAGCGAGAAGACGGAAATGCAGCGACATTATGTCATGTATTATGAGATGTCGTACGGG
CTCAACATTGAAATGCATAAGCAGGCGGAGATTGTGAAGCGTCTGAGCGGTATCTGCGCTCAGATTATC
CCCTTCTGACCCAGGAGCATCAGCAGCAGGTGCTCCAGGCCGTAAGACGCGCAAGCAGGTACCCGTG
GGGAGCTGAACAGCCTCATCGGCAGCAGCAGCTCCAGCCGCTGCCACCACGACCCCTGTGCC
CTACCCCGCCGACCCGGGCTGGTGGCGGCAGTGTACGGGGCTGCTTGCTGTCTGGAGCCCTG
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TCCTCAGTCTGAGTTGTGACATCTCCAGAAATAACAAATACATCGTGACAGGCTCGGGGACAAGAA
GCCACCGTGTATGAGGTGGTCTAC
ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
  
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Protein Sequence: >Peptide sequence encoded by RG239459
 Blue=ORF Red=Cloning site Green=Tag(s)

MYPQGRHPTPLQSGQPFKFSILEICDRIKEEFQFLQAQYHSLKLECEKLAASEKTEMQRHYVMMYEMSYG
 LNIEMHKQAEIVKRLSGICAQIIPFLTQEHOQQVLQAVERAKQVTVGELNSLIGQQQLQPLSHHAPPVP
 LTPRPAGLVGGSATGLLALSGALAAQAQLAAAVKEDRAGVEAEGSRVERAPSRASPSPEESLVEEERP
 SGPGGGGKQRADEKEPSGPYSEDEKSDYNLVDEDEQPSEPPSPATTPCGKVPICIPARRDLVDSASL
 ASSLSPLPRAKELILNDLPASTPASKSCDSSPPQDASTPGPSSASHLCQLAAKPAPSTDSVALRSPLT
 LSSPFTTSFSLGSHSTLNGDLSVPSSYVSLHLSPOVSSSVYGRSPVMAFESHPLRGSSVSSSLPSIP
 GGKPAYSFHVSADGMQPVFPFSDALVGAGIPRHARQLHTLAHGEVVCVAVTISGSTQHVVYTGKGCVKV
 WDVGQPGAKTPVAQLDCLNRDNYIRSKLLPDGRSLIVGGEASTLSIWDLAAPTPRIKAELTSSAPACY
 ALAVSPDAKVCFSCCSDGNI VVWDLQNQTMVRQFQGHTDGASCIDI SDYGT RLWTGGLDNTVRCWDLRE
 GRQLQQHDFSSQIFSLGHCNPQDWLAVGMESSNVEILHVRKPEKYLHLHESCVLSLKFASCGRWFVST
 GKDNLNNAWRTPYGASIFQSKESSVLSCDISRNKYIVTGSGDKKATVYEVVY
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
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Restriction Sites: SgfI-MluI

Cloning Scheme:



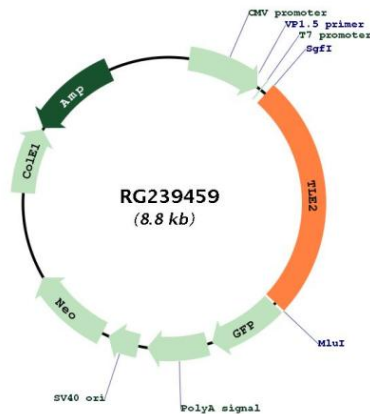
ACCN: NM_001300846

ORF Size: 2232 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).
RefSeq:	NM_001300846.2
RefSeq Size:	2759 bp
RefSeq ORF:	2235 bp
Locus ID:	7089
UniProt ID:	Q04725
Cytogenetics:	19p13.3
Protein Families:	Transcription Factors
MW:	80.4 kDa
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 RG239459