

Product datasheet for **RG239471**

TLE4 (NM_001282749) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLE4 (NM_001282749) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TLE4
Synonyms:	BCE-1; BCE1; E(spl); E(spl); ESG; ESG4; Grg-4; GRG4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239471 representing NM_001282749.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATTCCGCACCTGAGCAAGATGTACCCGCAGACCAGACACCCGGCACCGCATCAGCCTGCTCAACCC
TTTAAATTTACAATTTCCGAATCCTGTGATCGGATTAAGGAAGAGTTTCAGTTTTACAGGCTCAATAC
CACAGTCTGAAGCTGGAATGTGAGAAACTCGCCAGTGAGAAGACAGAGATGCAGCGGCATTATGTCATG
TATTATGAAATGTCTATGGGTTGAATATAGAAATGCACAAGCAGGCAGAGATTGTCAAGAGGCTGAAT
GCTATCTGTGCACAAGTCATTCTTTCTGTCCCAAGAGCAAACTCCAGGCCAGCATTATCACAT
GGACATGGTCTCCCCGTACCTCTGACTCCACACCTTCAGGGCTCCAGCCCCCTGCCATTCCACCCATC
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GAGAAGAAGCACCATGACAATGATACCAAAGAGACAGAGACTCCATCAAGAGCTCTTCAGTATCCCCA
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TCCAAAGAATCCTCATCGGTGCTTAGCTGTGACATCTCCGTGGACGACAAATACATTGCTACTGGCTCT
GGGGATAAGAAGGCCACAGTTTATGAAGTATTTAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239471
 Blue=ORF Red=Cloning site Green=Tag(s)

MIRDLSKMYPQTRHPAPHQPAQPFKFTISECDRIKEEFQFLQAQYHSLKLECEKLASEKTEMQRHYVM
 YYEMSYGLNIEMHKQAEIVKRLNAICAQVIPFLSQEQQLQAQHL SHGHGLPVPLTPHPSGLQPPAIPPI
 GSSAGLLALSSALGGQSHLP IKDEKKHHDNDHQDRDSDIKSSSVSPSASFRTGAEKHRNSADYSSSEKKQ
 KTEEKEIAARYSDGEEKSDDNLVVDVSNEDPSSPRGSPAHSRENGLDKTRLLKKDAPISPAIASSSS
 TPSSKSKELSLNEKSTTPVSKSNTPTPRDAPTGSNSTPGLRPVPGKPPGVDPLASSLRTPMAVPCPY
 PTFPGIVPHAGMNGELTSPGAAYAGLHNI SPQMSAAAAAAAAAAYGRSPVVGFDPHHHMRVPAIPPNL
 TGIPGGKPAYSFHVSADGQMOPVFPDPDALIGPGIPRHARQINTLNHGEVYCAVTISNPTRHYVTGGKG
 CVKVDI SHPGNKSPVSQLDCLNRDNYIRSCRLPDGRTLIVGGEASTLSIWDLAAPTPIKAELTSSA
 PACYALAI SPDSKVCFSCCSDGNI AVWDLHNQTLVRQFQGHTDGASCIDISNDGTLWTGGLDNTVRSW
 DLREGRQLQQHDFTSQIFSLGYCPTGEWLAVGMENSNVEVLHVTKPKDYQLHLHESCVL SLKFAHCQKW
 FVSTGKDNLLNAWRTPYGASIFQSKSSSVLSCDISVDDKIYIVTSGDCKATVYEVYIY
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPE
SVIFTDKIIRSNAIVEHLHPMGDNDLGSFTRTFLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282749

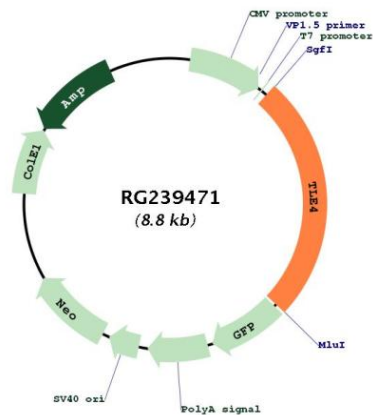
ORF Size: 2244 bp

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:	<u>NM_001282749.1, NP_001269678.1</u>
RefSeq Size:	5003 bp
RefSeq ORF:	2247 bp
Locus ID:	7091
UniProt ID:	<u>Q04727</u>
Cytogenetics:	9q21.31
Protein Families:	Transcription Factors
MW:	81.5 kDa
Gene Summary:	Transcriptional corepressor that binds to a number of transcription factors. Inhibits the transcriptional activation mediated by PAX5, 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. Essential for the transcriptional repressor activity of SIX3 during retina and lens development and for SIX3 transcriptional auto-repression (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG239471