

Product datasheet for **RG239364**

TLE4 (NM_001282753) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | TLE4 (NM_001282753) 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:

>RG239364 representing NM_001282753.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGATTCGCGACCTGAGCAAGATGTACCCGACAGACACCCGGCACCGCATCAGCCTGCTCAACCC
TTTAAATTTACAATTTCCGAATCCTGTGATCGGATTAAGGAAGAGTTTCAGTTTTTACAGGCTCAATAC
CACAGTCTGAAGCTGGAATGTGAGAAACTCGCCAGTGAGAAGACAGAGATGCAGCGGCATTATGTCATG
TATTATGAAATGTCTATGGGTTGAATATAGAAATGCACAAGCAGGCAGAGATTGTCAAGAGGCTGAAT
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CCCATCGTAGCAGTGCCGGGCTTCTGGCCCTCTCCAGTGTCTAGGAGGTCAGTCCCATCTTCCAATT
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CCTGTCCCTTTTCCACCCGACGCCCTCATCGGACCTGGAATCCCCGGCATGCTCGCCAGATCAACACC
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TTCCAGTCCAAAGAAATCCTCATCGGTGCTTAGCTGTGACATCTCCGTGGAGCAGCAAAATACATTGTCACT
GGCTCTGGGGATAAGAAGGCCACAGTTTATGAAGTTATTTAT
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239364
 Blue=ORF Red=Cloning site Green=Tag(s)

MIRDLSKMPQTRHPAPHQPAQPFKFTISECDRIKEEFQLQAQYHSLKLECEKLASEKTEMQRHYVM
 YYEMSYGLNIEMHKQAEIVKRLNAICAQVIPFLSQEHQQVQVAVERAKQVTMAELNAIIGQQLAQHL
 SHGHGLPVPLTPHPSGLQPPAIPPIGSSAGLLALSSALGGQSHLPKDEKHHHDNDHQDRDRDSIKSSSV
 SPSASFRTGAEKHRNSADYSSESKKQKTEEKEIAARYNEKSTTPVSKSNTPTPRTDAPTGSNSTPGLRP
 VPGKPPGVDP LASSLRTPMAVPCPYPTPFGIVPHAGMNGELTSPGAAAYAGLHNI SPQMSAAAAAAAAA
 AYGRSPVVGDFPHHMRVPAIPPNLTGIPGGKPAYSFHVSADGQMOPVFPFPDALIGPGIPRHARQINT
 LNHGEVCAVTISNPTRHVYTGKGCVKVWDISHPGNKSPVSQLDCLNRDNYIRSCRLLPDGRTLIVGG
 EASTLSIWDLAAPTPIKAELTSSAPACYALAI SPDSKVCFSCCSDGNI AVWDLHNQTLVRQFQGHTDG
 ASCIDISNDGTLWTGGLDNTVRSWDLREGRQLQHQDFTSQIFSLGYCPTGEWLAVGMENSNEVLHVT
 KPDKYQLHLHESCVLSLKFAHCGKWFVSTGKDNLLNAWRTPYGASIFQSKESSVLSCDISVDDKIYVT
 GSGDKKATVYEVY
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282753

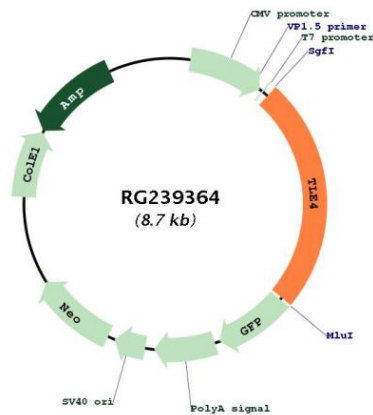
ORF Size: 2112 bp

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.

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| 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_001282753.1</u> , <u>NP_001269682.1</u> |
| RefSeq Size: | 4871 bp |
| RefSeq ORF: | 2115 bp |
| Locus ID: | 7091 |
| UniProt ID: | <u>Q04727</u> |
| Cytogenetics: | 9q21.31 |
| Protein Families: | Transcription Factors |
| MW: | 77 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 RG239364