

Product datasheet for **MG210559**

Tle1 (NM_011599) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle1 (NM_011599) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tle1
Synonyms:	C230057C06Rik; Estm14; Grg-1; Grg1; Tle4l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG210559 representing NM_011599
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTCCCGCAGAGCCGGCACCCAACGCCGACCAAGCTGCAGGCCAGCCCTTTAAGTTCACTATCCCGG
 AGTCTCTGGACCGGATTAAGAGGAATTCAGTTCCTGCAGGCGCAGTATCACAGTCTTAAATTGGAGTG
 TGAGAACTGGCAAGTGAAGACAGAAATGCAGAGGCACTACGTGATGTATTATGAAATGTCATATGGA
 TTAACATTGAAATGCACAAACAGACTGAAATCGCCAAGAGATTGAACACCATTGTGCCAAGTCATCC
 CATTCTGTCTCAGGAACATCAACAACAGGTGGCCAGGCTGTGGAACGTGCCAAACAGGTGACCATGGC
 AGAGTTGAATGCCATCATCGGGCAGCAGAGTTGCAAGCTCAGCATCTCTCCATGGCCATGGACCCCA
 GTACCTCTCACGCCTCACCTTCAGGACTTCAGCCTCCTGGCATCCCGCCCTTGGGGCAGTGCCAGCC
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 GCTTCAGGTAGCCCGGCATCCACAGCCTCCTCTGGAAGTTCCTCTTCCCTGAAATCCAAAGAAGTGAGCC
 TGCATGAAAAAGCCAACACTCCTGTTCTGAAATCCAGCACACCCGACGCCTCGGAGCGACATGCCAACCC
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 CAAGCAGCAGCTGGCCTGAGGACGCCCCGGCGGTGCCGAGCCATACCCCTGCCCCCTTGGCATGGTGC
 CCCATCGGGCATGAACGGAGAGCTGACCAGCCCTGGTGTGCTATGCAGGTCTACACAGCATGTCTCC
 ACAGATGAGCGCTGCAGCTGCTGCAGTCTGCTGCTGTGGTGGCCTATGGGCGCTCCCAATGGTTGGT
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 CAGCACTCCTTCCACGTTACTGCTGATGGCCAAATGCAGCCTGTTCTTTTCCCCTGATGCCCTCAT
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 CCTGGCGGACACCATATGGAGCCAGCATCTCCAGTCCAAGAATCTTCATCAGTGCTTAGCTGTGACAT
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

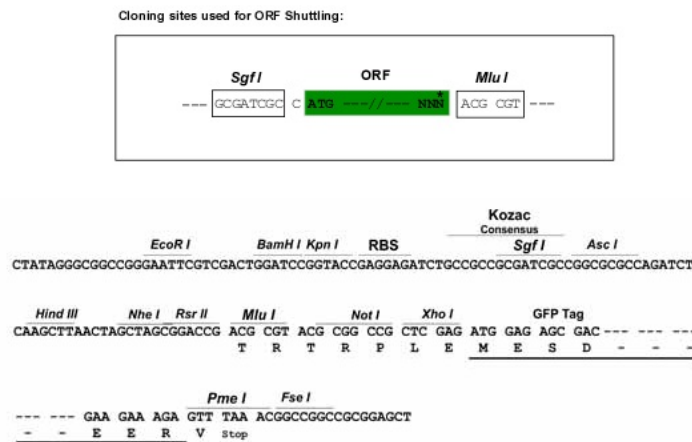
Protein Sequence: >MG210559 representing NM_011599
 Red=Cloning site Green=Tags(s)

MFPQSRHPTPHQAAGQPFFKFTIPESLDRIKEEFQFLQAQYHSLKLECEKLAASEKTEMQRHYVMYEMSYG
 LNIEMHKQTEIAKRLNTICAQVIPFLSQEHQQQVAQAVERAKQVMAELNAIIGQQQLQAQHL SHGHGPP
 VPLTPHP SGLQPPGIPPLGGSASLLALSSALSGQSHLAIKDDKKHDAERHRDREPPTSNSLLVPDSL R G
 TDKRRNGPEFSSDIKKRKVDDKDNYSDDGKSDNNLVVDVSNEDPSSPHASPTHSPRENGIDKNRLLK K D
 ASGSPASTASSGSSSLK SKEVSLHEKANTPVLKSSTPTPRSDMPTPGTSATPGLRPGLGKPPAMEPLVN
 QAAAGLRTPLAVPGYPAPFGMVPHAGMNGELTSPGAAYAGLHSMSPQMSAAAAAAAAAVVAYGRSPMVG
 FDPPPHMRVPSIPP NLAGIPGGKPAYSFHVTADGQMPPVFPDPDALIGPGIPRHARQINTLNHGEVVC AV
 TISNPTRHVYTGKGCVKVWDISHPGNKSPVSQLDCLNRDNYIRSCKLLPDGCTLIVGGEASTLSIWDLA
 APTPRIKAELTSSAPACYALAI SPDSKVCFSCCSDGNIAVWDLHNQTLVRQFQGHTDGASCIDISNDG TK
 LWTGGLDNTVRSWDLREGRQLQQHDFTSQIFSLGYCPTGEWLAVGMESSNVEVLHVNKPKDYQLHLHESC
 VLSLKFAYCGKWFVSTGKDNLLNAWRTPYGASIFQSKESSVLSCDISVDDKYIVTGSGDKKATVVEVIY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011599

ORF Size: 2310 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_011599.5](#)

RefSeq Size: 4369 bp

RefSeq ORF: 2313 bp

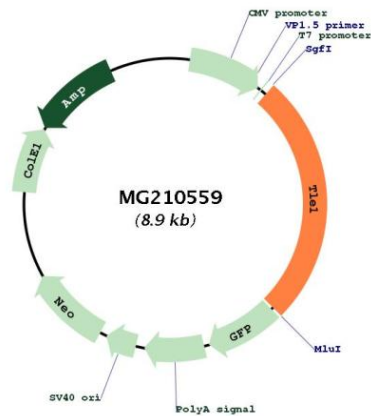
Locus ID: 21885

UniProt ID: [Q62440](#)

Cytogenetics: 4 C2

Gene Summary: Transcriptional corepressor that binds to a number of transcription factors. Inhibits NF-kappa-B-regulated gene expression. Inhibits the transcriptional activation mediated by FOXA2, 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. Unusual function as coactivator for ESRRG (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210559