

## Product datasheet for MR228474

### Tle1 (NM\_001285531) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tle1 (NM\_001285531) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tle1  
**Synonyms:** C230057C06Rik; Estm14; Grg-1; Grg1; Tle4l  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR228474 representing NM\_001285531  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTTCCCGCAGAGCCGGCACCCAACGCCGCACCAAGCTGCAGGCCAGCCCTTTAAGTTCACTATCCGG  
 AGTCTCTGGACCGGATTAAGAGGAATTCAGTTCCTGCAGGCCAGTATCACAGTCTTAAATTGGAGTG  
 TGAGAACTGGCAAGTAAAAGACAGAAATGCAGAGGCACTACGTGATGTATTATGAAATGTCATATGGA  
 TTAACATTGAAATGCACAAACAGACTGAAATCGCCAAGAGATTGAACACCATTTGTGCCAAGTCATCC  
 CATTTCTGTCTCAGGAACATCAACAACAGGTGGCCAGGCTGTGGAACGTGCCAAACAGGTGACCATGGC  
 AGAGTTGAATGCCATCATCGGGCAGCAGATTGCAAGCTCAGCATCTCTCCATGGCCATGGACCCCA  
 GTACCTCTCAGCCTCACCTTCAGGACTTCAGCCTCCTGGCATCCC GCCCTTGGGGCAGTGCCAGCC  
 TTCTCGGCTGTCTAGTGCTCTGAGTGGCAGTCTCACTTGGCAATAAAGATGACAAGAAGCACCATGA  
 TGAGAGCGCCACAGAGGTGAGAGGCCGGCAAGCCAGAT

ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228474 representing NM\_001285531  
Red=Cloning site Green=Tags(s)

MFPQSRHPTPHQAAGQPFKFTIPESLDRIKEEFQFLQAQYHSLKLECEKLASEKTEMQRHYVMMYEMS  
 YG LNIEMHKQTEIAKRLNTICAQVIPFLSQEHQQVAQAVERAKQVTMAELNAIIGQQQLAQHL SHGHGPP  
 VPLTPHPSGLQPPGIPPLGGSASLLALSSALSGQSHLAIKDDKKHHDAERHRGERPGKPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

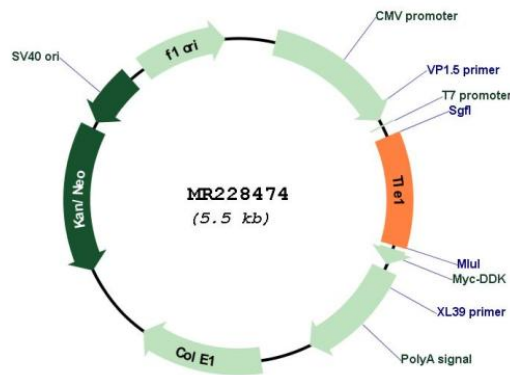


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001285531

ORF Size: 600 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\\_001285531.1](#), [NP\\_001272460.1](#)

**RefSeq Size:** 2098 bp

**RefSeq ORF:** 603 bp

**Locus ID:** 21885

**UniProt ID:** [Q62440](#)

**Cytogenetics:** 4 C2

**MW:** 22.9 kDa

**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]