

## Product datasheet for **MC226251**

### Tle1 (NM\_001285532) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tle1 (NM\_001285532) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tle1  
**Synonyms:** C230057C06Rik; Estm14; Grg-1; Grg1; Tle4l  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226251 representing NM\_001285532  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTTCCCGCAGAGCCGGCACCCAACGCCGCACCAAGCTGCAGGCCAGCCCTTTAAGTTCACTATCCGG  
AGTCTCTGGACCGGATTAAGAGGAATTCAGTTCCTGCAGGCCAGTATCACAGTCTTAAATTGGAGTG  
TGAGAACTGGCAAGTAAAAGACAGAAATGCAGAGGCACTACGTGATGTATTATGAAATGTCATATGGA  
TTAAACATTGAAATGCACAAACAGACTGAAATCGCCAAGAGATTGAACACCATTTGTGCCAAGTCATCC  
CATTTCTGTCTCAGGAACATCAACAACAGGTGGCCAGGCTGTGGAACGTGCCAAACAGGTGACCATGGC  
AGAGTTGAATGCCATCATCGGGCAGCAGTTGCAAGCTCAGCATCTCTCCCATGGCCATGGACCCCGAGTA  
CCTCTCACGCCTCACCTTCAGGACTTCAGCCTCCTGGCATCCCGCCCTTGGGGCAGTGCCAGCCTTC  
TCGCGTGTCTAGTGCTCTGAGTGGCAGTCTCACTTGGCAATAAAGATGACAAGAAGCACCATGATGC  
AGAGCGCCACAGAGGTGAGAGGCCGGCAAGCCAGATTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001285532  
**Insert Size:** 600 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001285532.1</a></u> , <u><a href="#">NP_001272461.1</a></u>
<b>RefSeq Size:</b>	2095 bp
<b>RefSeq ORF:</b>	600 bp
<b>Locus ID:</b>	21885
<b>UniProt ID:</b>	<u><a href="#">Q62440</a></u>
<b>Cytogenetics:</b>	4 C2
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (5) lacks several exons in the central and 3' coding regions, but contains an alternate 3' terminal exon, and it thus differs in its 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (e, also known as Grg1-S) has a distinct C-terminus and is significantly shorter than isoform a.</p>