

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
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC226251 representing NM_001285532
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTTCCCGCAGAGCCGGCACCCAACGCCGCACCAAGCTGCAGGCCAGCCCTTTAAGTTCACTATCCCGG
 AGTCTCTGGACCGGATTAAGAGGAATTCAGTTCCTGCAGGCCAGTATCACAGTCTTAAATTGGAGTG
 TGAGAACTGGCAAGTAAAAGACAGAAATGCAGAGGCACTACGTGATGTATTATGAAATGTCATATGGA
 TTAAACATTGAAATGCACAAACAGACTGAAATCGCCAAGAGATTGAACACCATTTGTGCCAAGTCATCC
 CATTTCTGTCTCAGGAACATCAACAACAGGTGGCCAGGCTGTGGAACGTGCCAAACAGGTGACCATGGC
 AGAGTTGAATGCCATCATCGGGCAGCAGTTGCAAGCTCAGCATCTCTCCATGGCCATGGACCCCAAGTA
 CCTCTCACGCCTCACCTTCAGGACTTCAGCCTCCTGGCATCCCGCCCTTGGGGGCAGTGCCAGCCTTC
 TCGCGTGTCTAGTGCTCTGAGTGGGCAGTCTCACTTGGCAATAAAGATGACAAGAAGCACCATGATGC
 AGAGCGCCACAGAGGTGAGAGGCCGGCAAGCCAGAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001285532
Insert Size: 600 bp


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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001285532.1, NP_001272461.1</u>
RefSeq Size:	2095 bp
RefSeq ORF:	600 bp
Locus ID:	21885
UniProt ID:	<u>Q62440</u>
Cytogenetics:	4 C2
Gene Summary:	<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>