

Product datasheet for MR228462

Tle1 (NM_001285532) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tle1 (NM_001285532) 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: >MR228462 representing NM_001285532
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCCCGCAGAGCCGGCACCCAACGCCGACCAAGCTGCAGGCCAGCCCTTTAAGTTCACTATCCGG
AGTCTCTGGACCGGATTAAGAGGAATTCAGTTCCTGCAGGCCAGTATCACAGTCTTAAATTGGAGTG
TGAGAACTGGCAAGTAAAAGACAGAAATGCAGAGGCACTACGTGATGTATTATGAAATGTCATATGGA
TTAAACATTGAAATGCACAAACAGACTGAAATCGCCAAGAGATTGAACACCATTTGTGCCAAGTCATCC
CATTTCTGTCTCAGGAACATCAACAACAGGTGGCCAGGCTGTGGAACGTGCCAAACAGGTGACCATGGC
AGAGTTGAATGCCATCATCGGGCAGCAGTTGCAAGCTCAGCATCTCTCCCATGGCCATGGACCCCAAGTA
CCTCTCAGCCTCACCTTCAGGACTTCAGCCTCCTGGCATCCC GCCCTTGGGGCAGTGCCAGCCTTC
TCGCGTGTCTAGTGCTCTGAGTGGCAGTCTCACTTGGCAATAAAGATGACAAGAAGCACCATGATGC
AGAGCGCCACAGAGGTGAGAGGCCGGGCAAGCCAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228462 representing NM_001285532
Red=Cloning site Green=Tags(s)

MF PQSRHPTPHQAAGQPFKFTIPESLDRIKEEFQFLQAQYHSLKLECEKLA SEKTEMQRHYVMMYEMS YG
LNIEMHKQTEIAKRLNTICAQVIPFLSQEHQQVAQAVERAKQVTMAELNAIIGQQLAQHLSHGHPV
PLTPHPSGLQPPGIPPLGGSASLLALSSALSGQSHLAIKDDKHHDAERHRGERPGKPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

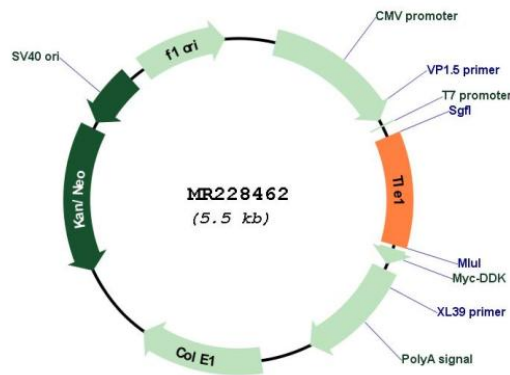


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001285532

ORF Size: 597 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_001285532.1](#), [NP_001272461.1](#)

RefSeq Size: 2095 bp

RefSeq ORF: 600 bp

Locus ID: 21885

UniProt ID: [Q62440](#)

Cytogenetics: 4 C2

MW: 22.8 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]