

Product datasheet for **MR231111**

Tle1 (NM_001285529) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle1 (NM_001285529) 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



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ORF Nucleotide
Sequence:

>MR231111 representing NM_001285529
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTCCCGCAGAGCCGGCACCCAAACGCCGACCAAGCTGCAGGCCAGCCCTTTAAGTTCACTATCCCGG
 AGTCTCTGGACCGGATTAAGAGGAATTCAGTTCCTGCAGGCGCAGTATCACAGTCTTAAATTGGAGTG
 TGAGAACTGGCAAGTGAAGAGACAGAAATGCAGAGGCACTACGTGATGTATTATGAAATGTCATATGGA
 TTAACATTGAAATGCACAAACAGACTGAAATCGCCAAGAGATTGAACACCATTGTGCCAAGTCATCC
 CATTCTGTCTCAGGAACATCAACAACAGGTGGCCAGGCTGTGGAACGTGCCAAACAGGTGACCATGGC
 AGAGTTGAATGCCATCATCGGGCAGCAGTTGCAAGCTCAGCATCTCTCCCATGGCCATGGACCCCACTA
 CCTCTCAGCCTCACCTTCAGGACTTCAGCCTCCTGGCATCCCGCCCTTGGGGCAGTGCCAGCCTTC
 TCGCGCTGTCTAGTGTCTGAGTGGCAGTCTCACTTGGCAATAAAGATGACAAGAAGCACCATGATGC
 AGAGCGCCACAGAGACAGAGAGCCTGGCAGGTAATTCCTCTTGGTCCAGACAGCCTAAGAGGCACA
 GATAAGCGCAGAAATGGTCCAGAGTTTTCCAGTGACATCAAAAAAGGAAGTGGATGATAAGGATAACT
 ATGACAGTGATGGGGACAAGAGTGATGACAACCTAGTTGTGGATGTGTCTAACGAGGACCCTTCTCTCC
 ACATGCAAGCCCCACACTCACCCCGGAAAACGGAATTGACAAAAACCGTCTGCTGAAGAAAGATGCT
 TCAGGTAGCCCGCATCCACAGCCTCCTCTGGAAGTTCCTCTTCCCTGAAATCCAAGAAGTGAGCCTGC
 ATGAAAAAGCCAACACTCCTGTTCTGAAATCCAGCACACCGACGCTCGGAGCGACATGCCAACCCCAAG
 CACCAGCGCTACTCCAGGCTCCGTCCAGGTCTTGGCAAGCCTCCAGCCATGGAACCCCTTGTCAACCA
 GCAGCAGCTGGCCTGAGGACGCCCTGGCGGTGCTGGCCATACCCTGCCCCCTTTGGCATGGTGCCCC
 ATGCGGGCATGAACGGAGAGCTGACCAGCCCTGGTGTGCTATGCAGGTCTACACAGCATGTCTCCACA
 GATGAGCGCTGCAGCTGCTGCAGCTGCTGCTGCTGTTGGTGGCCTATGGGGCTCCCAATGGTTGGTTT
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 CATACTCCTTCCAGTACTGCTGATGGCAAATGCAGCCTGTTCTTTTCCCTGATGCCCTCATTGG
 ACCTGGGATCCCGGACATGCTCGGCAGATCAACACCCTCAACCACGGGGAGGTGGTGTGTGCAGTGACC
 ATCAGCAACCCCAAGGCACGTGTACACAGGTGGCAAGGGTGCCTAAGGTGTGGGACATCAGCCACC
 CCGGCAACAAGAGCCCCGTCTCAGCTGGATTGTCTGAATAGAGATAACTACATCCGTTCTGTAATT
 GCTACCTGATGGCTGTACTCTCATAGTGGGAGGGGAAGCCAGTACTCTATCCATCTGGGACTTGGCAGCT
 CCAACTCCCGCATAAAGGCAGAGCTGACATCCTCAGCCCTGCCTGTTATGCTCTGGCCATCAGCCCCG
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 TGGACAGGCGGTTTAGACAACACTGTGAGGTCCTGGGACCTGAGAGAAGGGAGGCAGCTGCAGCAGCATG
 ACTTCACTTACAGATCTTCTTTGGGATATTGCCCAACTGGGGAGTGGCTTGTGTGGGCATGGAAG
 CAGCAACGTGGAAGTTCTGCATGTGAACAAGCCTGACAAGTACCAGCTGCACCTCCACGAGAGCTGCGTG
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 GGCGGACACCATATGGAGCCAGCATCTTCCAGTCCAAAGAATCTTCATCAGTGCTTAGCTGTGACATCTC
 TGTGGATGATAAATACATAGTCACTGGCTCAGGGGACAAAAAGGCTACCGTTTATGAGGTCATCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231111 representing NM_001285529
 Red=Cloning site Green=Tags(s)

MFPQSRHPTPHQAAGQPFFKFTIPESLDRIKEEFQFLQAQYHSLKLECEKLASEKTEMQRHYVMYEMSYG
 LNIEMHKQTEIAKRLNTICAQVIPFLSQEHQQQVAQVERAKQVTMAELNAIIGQQLAQHL SHGHGPPV
 PLTPHPSGLQPPGIPPLGGSASLLALSSALSGQSHLAIKDDKKHHDAERHRDREPGTNSLLVPDSLRT
 DKRRNGPEFSSDIKKRKVDDKDNVSDGDKSDDNLVVDVSNEDPSSPHASPTHSPRENGIDKNRLKKDA
 SGSPASTASSGSSSLKSKVSLHEKANTPVLKSSSTPTPRSDMPTPGTSATPGLRPGLGKPPAMEPLVNQ
 AAAGLRTPLAVPGYPAPFGMVPHAGMNGELTSPGAAYAGLHSMSPQMSAAAAAAAAAVVAYGRSPMVG
 DPPPHMRVPSIPPNLGIPGGKPAYSFHVTADGQMOPVPFPD DALIGPGIPRHARQINTLNHGEVCAVT
 ISNPTRHVYTGKGCVKVWDISHPGNKSPVSQLDCLNRDNYIRSKLLPDGCTLI VGG EASTLSIWDLAA
 PTPRIKAELTSSAPACYALAI SPDSKVCFSCCSDGNI AVWDLHNQTLVRQFQGHTDGASCIDI SNDGTKL
 WTGGLDNTVRSWDLREGRQLQQHDFTSQIFSLGYCPTGEWLA VGMESSNVEVLHV NPKDYQLHLHESC
 VLSLKFAYCGKWFVSTGKDNLLNAWRTPYGASIFQSKESSVLSCDISVDDKYIVTGSGDKKATVVEVIY

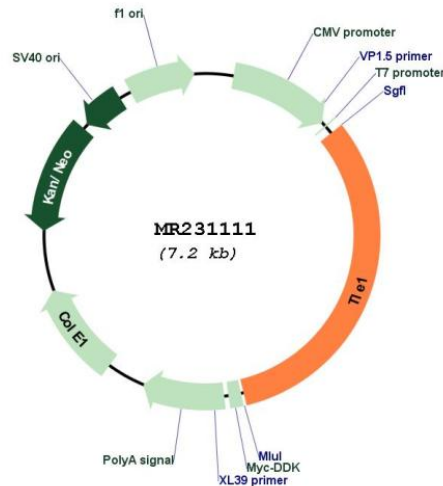
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001285529

ORF Size: 2307 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_001285529.1](#), [NP_001272458.1](#)

RefSeq Size: 11547 bp

RefSeq ORF: 2310 bp

Locus ID: 21885

Cytogenetics: 4 C2

MW: 83.4 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]