

Product datasheet for **MR210559**

Tle1 (NM_011599) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle1 (NM_011599) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tle1
Synonyms:	C230057C06Rik; Estm14; Grg-1; Grg1; Tle4l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210559 representing NM_011599
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTCCCGCAGAGCCGGCACCCAACGCCGACCAAGCTGCAGGCCAGCCCTTTAAGTTCATATCCCGG
 AGTCTCTGGACCGGATTAAGAGGAATTCAGTTCCTGCAGGCGCAGTATCACAGTCTTAAATTGGAGTG
 TGAGAACTGGCAAGTGAAGACAGAAATGCAGAGGCACTACGTGATGTATTATGAAATGCATATGGA
 TTAACATTGAAATGCACAAACAGACTGAAATCGCCAAGAGATTGAACACCATTGTGCCAAGTCATCC
 CATTCTGTCTCAGGAACATCAACAACAGGTGGCCAGGCTGTGGAACGTGCCAAACAGGTGACCATGGC
 AGAGTTGAATGCCATCATCGGGCAGCAGAGTTGCAAGCTCAGCATCTCTCCATGGCCATGGACCCCA
 GTACCTCTCACGCCTCACCTTCAGGACTTCAGCCTCCTGGCATCCCGCCCTTGGGGCAGTGCCAGCC
 TTCTCGCGCTGTCTAGTCTCTGAGTGGCAGTCTCACTTGGCAATAAAGATGACAAGAAGCACCATGA
 TGCAGAGCGCCACAGAGACAGAGAGCCTGGCACGAGTAATCCCTCTTGGTCCCAGACAGCCTAAGAGGC
 ACAGATAAGCGCAGAAATGGTCCAGAGTTTTCCAGTGACATCAAAAAAGGAAGTGGATGATAAGGATA
 ACTATGACAGTGTGGGACAAGAGTGTGACAACTTAGTTGGATGTGTCTAACGAGGACCCCTCTTC
 TCCACATGCAAGCCACACACTCACCCGGGAAAACGGAATTGACAAAAACCGTCTGCTGAAGAAAGAT
 GCTTCAGGTAGCCCGCATCCACAGCCTCCTCTGGAAGTTCCTCTCCCTGAAATCCAAAGAAGTGAAGC
 TGCATGAAAAAGCCAACACTCCTGTTCTGAAATCCAGCACACCCGACGCCTCGGAGCGACATGCCAACCC
 AGGCACCAGCGCTACTCCAGGCTCCGTCAGGTCTTGGCAAGCCTCCAGCCATGGAACCCCTTGTCAAC
 CAAGCAGCAGCTGGCCTGAGGACGCCCCGGCGGTGCTGGCCATACCTGCCCCCTTGGCATGGTGC
 CCCATCGGGCATGAACGGAGAGCTGACCAGCCCTGGTGTGCTATGCAGGTCTACACAGCATGTCTCC
 ACAGATGAGCGCTGCAGCTGCTGCAGTGTGCTGTGGTGGCTATGGGCGCTCCCAATGGTTGGT
 TTTGATCCTCCTCCTCACATGAGAGTACCTTCTATCCCCCAACCTGGCAGGAATACCTGGAGGAAAAC
 CAGCACTCCTTCCACGTTACTGCTGATGGCCAAATGCAGCCTGTTCTTTTCCCCTGATGCCCTCAT
 TGGACCTGGGATCCCGGACATGCTCGGCAGATCAACACCCTCAACCACGGGAGGTGGTGTGTGCAGTG
 ACCATCAGCAACCCACAAGGCACGTGTACACAGGTGGCAAGGGTGCCTTAAGGTGTGGACATCAGCC
 ACCCGGCAACAAGAGCCCCGTCTCTCAGCTGGATTGTCTGAATAGAGATAACTACATCCGTTCTGTAA
 ATTGCTACCTGATGGCTGTACTCTCATAGTGGGAGGGAAGCCAGTACTCTATCCATCTGGGACTTGGCA
 GCTCCAACCTCCCGCATAAAGGCAGAGCTGACATCCTCAGCCCTGCCTGTTATGCTCTGGCCATCAGCC
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 CTCTGGACAGGCGGTTTAGACAACACTGTGAGGTCTGGGACCTGAGAGAAGGGAGGCAGCTGCAGCAGC
 ATGACTTCACTTACAGATCTTCTTTGGGATATTGCCAACTGGGGAGTGGCTTGTGTGGGCATGGA
 AAGCAGCAACGTGGAAGTTCTGCATGTGAACAAGCCTGACAAGTACCAGCTGCACCTCCACGAGAGCTGC
 GTGCTGTCCCTAAAGTTTGCTTATTGTGGCAAATGGTTTGTGAGTACTGGAAAAGACAACCTCCTAAATG
 CCTGGCGGACACCATATGGAGCCAGCATCTCCAGTCCAAGAATCTTCATCAGTGCTTAGCTGTGACAT
 CTCTGTGGATGATAAATACATAGTCACTGGCTCAGGGGACAAAAAGGCTACCGTTTATGAGGTCATCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210559 representing NM_011599
 Red=Cloning site Green=Tags(s)

MFPQSRHPTPHQAAGQPFFKFTIPESLDRIKEEFQFLQAQYHSLKLECEKLASEKTEMQRHYVMYEMSYG
 LNIEMHKQTEIAKRLNTICAQVIPFLSQEHQQQVAQVERAKQVTMAELNAIIGQQQLQAQHL SHGHGPP
 VPLTPHP SGLQPPGIPPLGGSASLLALSSALSGQSHLAIKDDKKHHAERHRDREPPTSNSLLVPDSLGRG
 TDKRRNGPEFSSDIKKRVDDKDNYSDDGKSDNLLVVDVSNEDPSSPHASPTHSPRENGIDKNRLLKDK
 ASGSPASTASSGSSSLKSEVSLHEKANTPVLKSSPTPRSDMPTPGTSATPGLRPGLGKPPAMEPLVN
 QAAAGLRTP LAVPGYPAPFGMVPHAGMNGELTSPGAAYAGLHSMSPQMSAAAAAAAAAAVVAYGRSPMVG
 FDPPPHMRVPSIPP NLAGIPGGKPAYSFHVTADGQMPPVFPDPDALIGPGIPRHARQINTLNHGEVYCAV
 TISNPTRHYVTGGKGCVKVWDISHPGNKSPVSQLDCLNRDNYIRSKLLPDGCTLIVGGEASTLSIWDLA
 APTPRIKAELTSSAPACYALAI SPDSKVCFSCCSDGNIAVWDLHNQTLVRQFQGHTDGASCIDISNDGTK
 LWTGGLDNTVRSWDLREGRLQHQHDFTSQIFSLGYCPTGEWLAVGMESSNVEVLHVNKPKDYQLHLHESC
 VLSLKFAYCGKWFVSTGKDNLLNAWRTPYGASIFQSKESSVLSCDISVDDKYIVTSGSGDKKATVVEVIY

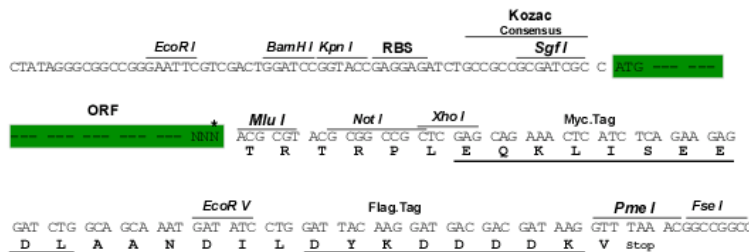
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9032_a06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011599

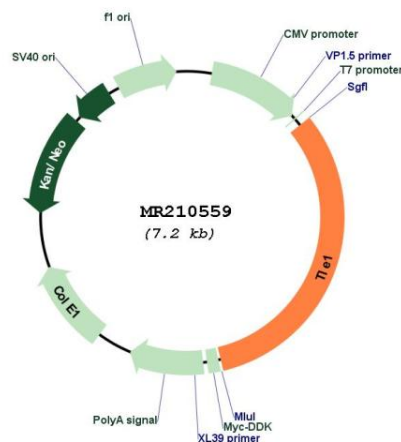
ORF Size: 2310 bp

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:	<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_011599.5</u>
RefSeq Size:	4369 bp
RefSeq ORF:	2313 bp
Locus ID:	21885
UniProt ID:	<u>Q62440</u>
Cytogenetics:	4 C2
MW:	83.5 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]

Product images:



Circular map for MR210559