

Product datasheet for **MR215597**

Tle2 (NM_019725) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle2 (NM_019725) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tle2
Synonyms:	Grg2; mKIAA4188
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR215597 representing NM_019725
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGTACCCTCAGGGAAGGCACCCGACCCGCTGCAGTCTGGCCAGCCTTTCAAGTTCTCAGTACTGGAAA
TCTGTGACCGGATCAAAGAGGAATTCCAGTTTCTCAAGCTCAGTACCACAGCCTCAAGCTAGAATGTGA
GAAGCTGGCCAGCGAGAAGACAGAAATGCAAAGGCATTATGTGATGGCTGCACCCATCAGTGTCCCCAG
GGTGGCACCAGCTATCCACACTGGCCAAGACTGTCTCCTTTGCAGTACTACGAGATGTCCTACGGACTCA
ACATTGAGATGCATAAACAGGCTGAGATTGTGAAACGCCTCAGTGCATCTGTGCCAGATGGTCCCCTT
CCTCACTCAGGAGCATCAGCAGCAGGTGCTCCAGGCTGTGGACCGAGCCAAGCAGGTGACCGTGGGGAA
CTGAACAGCCTCCTGGGGCAGCAGAATCAGCTCCAGCCGCTGTCCACGCACCCCCCGTGCCTCTCACCC
CGCGCCACGCGGCTGGTGGGTGCCGGGGCCACTGGGCTGTGGCCCTATCTGGGGCACTGGCTGCGCA
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CTGGCGGCTCAGCCGGCAGCACCCACAGACAGCATCGCCCTGAGGAGTCCCCTGACCTTGTCCAGCCCTT
TCACCTCATCCTTCAGCCTGGGCTCCCACAGCACCCCTCAATGGGGACCTCTCCATGCCTGGCTCCTATGT
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GGGGCCCTGGACAACACTGTGCGCTGCTGGGACCTGCGCGAGGGCCGCCAGCTTCAGCAGCATGACTTCA
GTTCCAGATTTTCTCATTGGGCCACTGTCCCAATCAGGACTGGTTGGCTGTGGGGATGGAGAGCAGCCA
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CTCAAGTTCGCTTCTGTGGACGCTGGTTTGTGAGCACAGGCAAGGACAACCTGCTCAATGCCTGGAGGA
CACCCATATGGGGCCAGCATTTTTTCAGTCCAAAGAATCATCTTCTGTACTGAGCTGCGACATCTCCAGGAA
TAATAAGTACATCGTGACAGGCTCAGGGGACAAGAAGGCCACTGTGTATGAGGTGGTGTAC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215597 representing NM_019725
 Red=Cloning site Green=Tags(s)

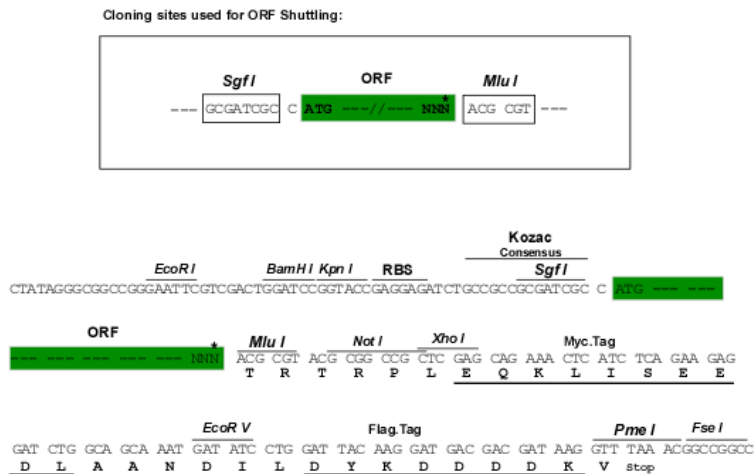
MYPQGRHPTPLQSGQPFKFSVLEICDRIKEEFQFLQAQYHSLKLECEKLA SEKTEMQRHYVMAAPHQCPQ
 GGTSYPHWPRLSPLQYYEMSYGLNIEMHKQAEIVKRLSAICAQMPVFLTQEHQQQVLQAVDRAKQVTVGE
 LNSLLGQQNLQPLSHAPPVPLTPRPAGLVGAGATGLLALSGALAAQAQLVAAVKEDRVGVDAEGSRVDR
 AASRSSSPPELVEEDHPSSRGGSGKQRAEDKDLSGPYDSEEDKSDYNLVDEDEQPSEPPSPVTTTC
 GKAPLCIPARRDLTSPASLASSLGSPLPRSKDIALNDLPTGTPASRSCGTSPQDSSTPGPSSASHLCQ
 LAAQPAAPTDSIALRSPLTLSSPFTSSFSLGSHSTLNGDLSMPGSYVGLHLSPQVSSSVYGRSPLQMAF
 ESHPHLRGSSVSLPGIPVAKPAYSFHVSADGQMPPVPSDALVGTGIPRHARQLHTLAHGEVVCVAVTIS
 SSTQHVVYTGKGCVKVWDVVGQPGSKTPVAQLDCLNRDNYIRSKLLPDGQSLIVGGEASTLSIWDLAAPT
 PRIKAELTSSAPACYALAVSPDAKVCFSCCSDGNI VVWDLQNQAMVRQFQGHTDGASCIDISDYGTRLWT
 GGLDNTVRCWDLREGRQLQOHDFSSQIFSLGHCPNQDWLAVGMESSHVEVLHVRKPEKYQLRLHESCVL S
 LKFASCGRWFVSTGKDNLLNAWRTPY GASIFQSKESSSVLSCDISRNKYIVTSGDGKKATVYEVVY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9037_b03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_019725

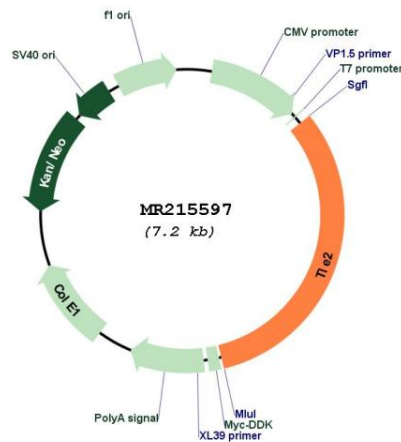
ORF Size: 2301 bp

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_019725.2</u> , <u>NP_062699.1</u>
RefSeq Size:	2749 bp
RefSeq ORF:	2304 bp
Locus ID:	21886
UniProt ID:	<u>Q9WVB2</u>
Cytogenetics:	10 C1
MW:	83.1 kDa
Gene Summary:	Transcriptional corepressor that binds to a number of transcription factors. Inhibits the transcriptional activation mediated 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215597