

Product datasheet for **MR210620**

Tle3 (NM_001083927) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle3 (NM_001083927) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tle3
Synonyms:	2610103N05Rik; ESG; Grg3a; Grg3b; mKIAA1547
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210620 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATCCGCAAGGCAGACATCCGGCACCCATCAACCCGGGCAGCCGGGATTTAAATTCACTGTGGCCG
 AGTCCTGTGACAGGATCAAAGACGAATTCAGTTCCTGCAAGCTCAGTATCACAGCCTCAAAGTGGAGTA
 TGACAAGCTGGCTAACGAGAAGACGGAGATGCAGCGCCATTATGTGATGTACTATGAGATGCCTATGGC
 TTGAATATTGAAATGCACAAGCAGACAGAGATTGCGAAGAGACTGAACACAATCTAGCCAGATCATGC
 CTTTTTTGTACAGGAGCATCAGCAGCAAGTGGCGCAGGCTGTGGAACGCGCCAAGCAGGTCACCATGAC
 GGAGTTGAACGCCATCATCGGGTACGTGGACTCCCAATCTGCCTCTCACCCAGCAGCAACTCCAGGCC
 CAGCACCTCTCCATGCCACGCATGGTCCCCGGTCCAGCTGCCACCCACCCGTCAGGCCTCCAGCCTC
 CTGGGATCCCCAGTGACAGGAAGCAGCTCTGGGTTGCTGGCACTTGGTGCCCTGGGAAGTCAAGTCA
 CTTGGCGGTGAAGGATGAGAAGAACCACCATGAACTGGATCACAGAGAGAGAGTCCAGCAGCAACAAT
 TCCGTGTACCCCTCTGAAAGCCTCCGGGCCAGTGAGAAGCACCGGGGCTCTGCAGACTACAGATGGAAG
 CCAAGAAGCGGAAGGCGGAAGAGAAAGACAGCCTCAGCAGATACGATAGCGATGGGGACAAGAGTACGA
 CCTGGTGGTGGATGTCTAATGAGGACCCAGCAACACCCCGGTGAGCCAGCACACTCCCTCTCTGAA
 AATGGGCTGGACAAGCCCGTGGTCTGAAGAAAGATGCCCCACCCAGCCAGCCTCCGTGGCTTCTCCA
 GCAGCACACCTTCTCCAAGACCAAGACCTTGGTCATAATGACAAAATCTCCACACTGGGCTCAAGTC
 CAACACACCAACGCCAAGAAATGATGCCCAACTCCAGGCACCAGCACCCCGGGACTCCGGTCAATG
 CCGGGCAAACCTCCAGGCATGGACCCGATAGGTATAATGGCTCGGCCCTGCGAACCCCATCACCTCA
 CCAGTCTCTACAGCACCTTTGCCATGATGAGCCACCAGAGATGAATGGCTCCCTCACCAGCCCAAG
 CGCCTATGCTGGCTACACAACATCCCATCCCAGATGAGCGCCCGCGCAGCCGCTGCAGCCCGCCCTAT
 GGCCGATCGCCAATGGTGAAGCTTTGGAGCTGTTGGTTTTGACCCTCACCCCAATGAGGGCCACAGGCC
 TGCCTTCCAGTCTCGCTCCATTCTGGAGGAAACCGGCATACTCCTTCCATGTGAGTGTGATGGGCA
 GATGCAACCTGTGCCCTTCCCCATGATGCACTAGCAGGCCCTGGCATTCCAGGCATGCCCGGCAGATC
 AATACGCTCAGCCATGGAGAGGTGGTATGTGCTGTGACCATCAGCAACCCACACGACACGTCTACACAG
 GCGGCAAGGGCTGTGTGAAGATATGGGACATCAGCCAGCCGGGCAGCAAGAGTCCCATCTCCAGCTGGA
 CTGCTGAAACAGGACAACACTACATCCGCTCGTGAAGCTTCTCCCGATGGGCGCAGCTCATTGTGGGT
 GGTGAGGCCAGCACGCTCACCATCTGGGACCTGGCCTCACCCACACCCCGCATCAAGGCTGAGCTGACGT
 CCTCGGCTCCAGCTGTTATGCCCTGGCCATCAGTCTGATGCCAAAGTCTGTTTTCTGCTGCAGCGA
 CGGGAACATTGCGGTTTGGGATCTGCACAACCAGACCCTGGTCAGGCAGTTCCAGGGCCACACAGATGGG
 GCCAGTGTATAGACATCTCATGATGGCACTAAGCTGTGGACCGGGGGCTGGACAACACCGTGGCT
 CCTGGGACCTACGTGAAGGACGGCAGTTACAGCAACACGATTTACCTCCAGATCTTCTCCCTGGGTTA
 CTGCCCACTGGGGAGTGGCTGGCCGTGGGCATGGAGAGCAGCAATGTGGAGTCTGCACCACACTAAG
 CCCGACAAATACCAGCTGCACCTGCACGAGAGCTGCGTGTGTCCCTCAAGTTCGCTATTGTGGCAAGT
 GGTTTGTGAGCACTGGGAAAGACAACCTTCTCAATGCCTGGAGGACGCCCTATGGAGCCAGCATCTTCCA
 GTCAAAAAGAACTCATCTGTCTTGAGCTGTGACATTTACGGGATGACAAATATATTGTAACAGGCTCT
 GTGACAAGAAGGCCACAGTTTACGAGGTACATCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210620 protein sequence

Red=Cloning site Green=Tags(s)

MYPQGRHPAPHQPGQPGFKFTVAESCDRIKDEFQFLQAQYHSLKVEYDKLANEKTEMQRHYVMYYEMSYG
LNIEMHKQTEIAKRLNTILAQIMPFLSQEHQQVAQAVERAKQVTMTELNAIIGVRGLPNLPLTQQQLQA
QHL SHATHGPPVQLPPHP SGLQPPGIPPVTGSSSGLLALGALGSQAHLAVKDEKNHHELDHRERESSTNN
SVSPSESLRASEKHRGSADYSMEAKKRKAEKDSL SRYDSGDGKSDDLVVDVSNEDPATPRVSPAHPPE
NGLDKARGLKKDAPTPASVASSSTPSSKTKDLGHNDKSSTPGLKSNTPTPRNDAPTPGTSTTPGLRSM
PGKPPGMDPIGIMASALRTPITLTSSYPAPFAMMSHEMNGSLTSPSAYAGLHNIPSQMSAAAAAAAAAY
GRSPMVSFGAVGFDPPHMRATGLPSSLASIPGGKPAYSFHVSADGQMOPVFPFDALAGPGIPRHARQI
NTLSHGVEVCAVTISNPTRHVYTGKGCVKIWDISQPGSKSPIQLDCLNRDNYIRSKLLPDGRTLIVG
GEASTLTIWDLASPTPRIKAELTSSAPACYALAI SPDAKVCFSCCSDGNI AVWDLHNQTLVRQFQGHTDG
ASCIDISHDGTKLWTGGLDNTVRSWDLREGRQLQQHDFTSQIFSLGYCPTGEWLAVGMESSNVEVLHHTK
PDKYQLHLHESCVLSLKFA YCGKWFVSTGKDNLLNAWRTPYGASIFQSKESSVLSCDISADDKYIVTGS
GDKKATVVEVIY

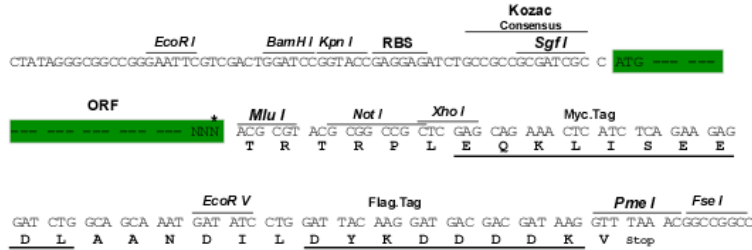
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001083927

ORF Size: 2349 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_001083927.1](#), [NP_001077396.1](#)

RefSeq Size: 5202 bp

RefSeq ORF: 2349 bp

Locus ID: 21887

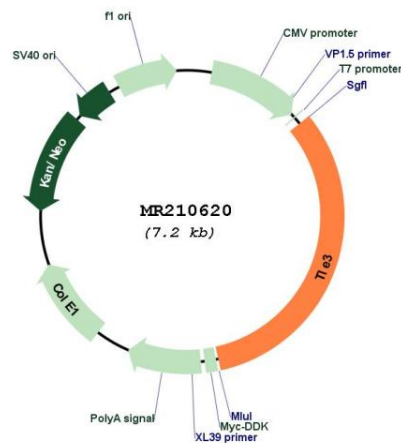
UniProt ID: [Q08122](#)

Cytogenetics: 9 B

MW: 84.5 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). May play an important role during spermatogenesis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210620